

## RTTV Summary Sheet-T1

Address : URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon		BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input 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>								
Façade Orientation Facing								
Average Absorptivity								
Average Window to Wall Ratio								
Shading Coefficient of Glazing								
Average Shading Coefficient of Façade								
Visible Light Transmittance	%	%	%	%	%	%	%	%
External Reflectance	%	%	%	%	%	%	%	%

Table 2

RTTV <sub>wall</sub>																		
Façade Orientation Facing		North North East				East North East				East South East				South South East				
Wall Orientation Factor		0.924				1.072				1.051				0.975				
Total External Wall Area (Residential Units)		1998.83m <sup>2</sup>		Window to Wall Ratio =0.42		2281.34m <sup>2</sup>		Window to Wall Ratio =0.47		3651.64m <sup>2</sup>		Window to Wall Ratio =0.59		3124.79m <sup>2</sup>		Window to Wall Ratio =0.53		
Total Window Area		843.19m <sup>2</sup>				1062.66m <sup>2</sup>				2170.86m <sup>2</sup>				1666.28m <sup>2</sup>				
Heat Conduction	Opaque Wall	2.51W/m <sup>2</sup>				2.32W/m <sup>2</sup>				1.75W/m <sup>2</sup>				1.92W/m <sup>2</sup>				
	Window	0.93W/m <sup>2</sup>				1.15W/m <sup>2</sup>				1.54W/m <sup>2</sup>				1.22W/m <sup>2</sup>				
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area= 393.79m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 569m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 877.16m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 855.83m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	
		<input checked="" type="checkbox"/> Tinted	Area= 257.45m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 248.77m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 675.22m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 449.20m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	
		<input checked="" type="checkbox"/> Tinted	Area= 191.95m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 244.89m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 512.42m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 361.24m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	=	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	=	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	=	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	=	VLT=% ER=%	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
		Sidefin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
	Solar Radiation through Glazing		9.30W/m <sup>2</sup>				11.81W/m <sup>2</sup>				13.89W/m <sup>2</sup>				11.64W/m <sup>2</sup>			
	Average Absorptivity		0.6				0.69				0.657				0.618			
	Solar Radiation at each façade		12.74W/m <sup>2</sup>				15.28W/m <sup>2</sup>				17.18W/m <sup>2</sup>				14.77W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		13.97W/m <sup>2</sup>																

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing		2.16				
Total Roof Area (Residential Units)		502.88m <sup>2</sup>				
Total Skylight Area		0m <sup>2</sup>				
Heat Conduction	Roof	3.23W/m <sup>2</sup>				
	Skylight	0W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	External Shading	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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		0W/m <sup>2</sup>				
Average Absorptivity (roof)		0.7				
Overall RTTV <sub>Roof</sub>		3.23W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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.

(9/2014)

## RTTV Summary Sheet-T1

Address :	URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon	BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input 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>																		
Façade Orientation Facing		South South West				West South West				West North West				North North West				
Wall Orientation Factor		1.092				1.131				0.965				0.79				
Total Window Area (Residential Units)		2383.32m <sup>2</sup>		Window to Wall Ratio =0.31		2660.44m <sup>2</sup>		Window to Wall Ratio =0.30		4504.14m <sup>2</sup>		Window to Wall Ratio =0.45		2717.75m <sup>2</sup>		Window to Wall Ratio =0.35		
Heat Conduction		3.17W/m <sup>2</sup>				4.82W/m <sup>2</sup>				2.64W/m <sup>2</sup>				2.81W/m <sup>2</sup>				
Window		0.67W/m <sup>2</sup>				0.86W/m <sup>2</sup>				1.10W/m <sup>2</sup>				0.66W/m <sup>2</sup>				
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area= 520.20m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 322.29m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 816.38m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 524.90m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	
		<input checked="" type="checkbox"/> Tinted	Area= 2.33m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 344.32m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 742.84m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 258.77m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	
		<input checked="" type="checkbox"/> Tinted	Area= 218.07m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 118.47m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 456.02m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 181.12m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	
		<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 checked="" type="checkbox"/> Tinted	Area= 34.98m <sup>2</sup>	SC =0.70	VLT=69% ER=5%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	
		Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input 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		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		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		8.57W/m <sup>2</sup>				7.73W/m <sup>2</sup>				10.17W/m <sup>2</sup>				7.12W/m <sup>2</sup>			
	Average Absorptivity		0.6				0.627				0.639				0.6			
	RTI at each façade		12.41W/m <sup>2</sup>				13.41W/m <sup>2</sup>				13.91W/m <sup>2</sup>				10.59W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		13.97W/m <sup>2</sup>																

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing						
Total Roof Area (Residential Units)		m <sup>2</sup>				
Total Skylight Area		m <sup>2</sup>				
Heat Conduction	Roof	W/m <sup>2</sup>				
	Skylight	W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	External Shading	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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 <sup>2</sup>				
Average Absorptivity (roof)						
Overall RTTV <sub>Roof</sub>		W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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-T2

Address : URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon		BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify :	
No. of Storeys (Residential Units)	43	

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>																		
Façade Orientation Facing		North North East				East North East				East South East				South South East				
Wall Orientation Factor		0.924				1.072				1.051				0.975				
Total External Wall Area (Residential Units)		2796.91m <sup>2</sup>		Window to Wall Ratio =0.09		3674.76m <sup>2</sup>		Window to Wall Ratio =0.5		3278.92m <sup>2</sup>		Window to Wall Ratio =0.29		3242m <sup>2</sup>		Window to Wall Ratio =0.3		
Total Window Area		258.86m <sup>2</sup>				1833.82m <sup>2</sup>				952.46m <sup>2</sup>				977.20m <sup>2</sup>				
Heat Conduction	Opaque Wall	5.23W/m <sup>2</sup>				2.12W/m <sup>2</sup>				3.97W/m <sup>2</sup>				3.90W/m <sup>2</sup>				
	Window	0.20W/m <sup>2</sup>				1.22W/m <sup>2</sup>				0.78W/m <sup>2</sup>				0.70W/m <sup>2</sup>				
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area= 175.66m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 962.28m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 574.72m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 456.68m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 419.64m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 293.63m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 280.48m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	
		<input checked="" type="checkbox"/> Tinted	Area= 83.21m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 451.91m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 84.11m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 240.05m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	
		<input checked="" type="checkbox"/> Tinted	Area= 27.82m <sup>2</sup>	SC =0.70	VLT=69% ER=5%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 41.54m <sup>2</sup>	SC =0.70	VLT=69% ER=5%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Sidefin	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	Solar Radiation through Glazing		2.43W/m <sup>2</sup>				12.48W/m <sup>2</sup>				7.29W/m <sup>2</sup>				6.59W/m <sup>2</sup>			
	Average Absorptivity		0.621				0.738				0.6				0.6			
R <sub>sol</sub> at each façade		7.86W/m <sup>2</sup>				15.83W/m <sup>2</sup>				12.05W/m <sup>2</sup>				11.19W/m <sup>2</sup>				
Overall RTTV <sub>wall</sub>		13.40W/m <sup>2</sup>																

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing		2.16				
Total Roof Area (Residential Units)		482.17m <sup>2</sup>				
Total Skylight Area		0m <sup>2</sup>				
Heat Conduction	Roof	3.23W/m <sup>2</sup>				
	Skylight	0W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	External Shading	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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		0W/m <sup>2</sup>				
Average Absorptivity (roof)		0.7				
Overall RTTV <sub>Roof</sub>		3.23W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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-T2

Address : URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon		BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify :	
No. of Storeys (Residential Units)	43	

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>																			
Façade Orientation Facing		South South West					West South West					West North West				North North West			
Wall Orientation Factor		1.092					1.131					0.965				0.79			
Total Window Area (Residential Units)		3347.16m <sup>2</sup>		Window to Wall Ratio =0.48			2656.31m <sup>2</sup>		Window to Wall Ratio =0.26			5569.23m <sup>2</sup>		Window to Wall Ratio =0.61		2151.94m <sup>2</sup>		Window to Wall Ratio =0.45	
Heat Conduction		2.73W/m <sup>2</sup>					4.60W/m <sup>2</sup>					1.20W/m <sup>2</sup>				1.98W/m <sup>2</sup>			
Window		1.28W/m <sup>2</sup>					0.79W/m <sup>2</sup>					1.42W/m <sup>2</sup>				0.85W/m <sup>2</sup>			
Window Type	Glass Tinted	<input checked="" type="checkbox"/>	Area=	SC	VLT=58%	<input checked="" type="checkbox"/>	Area=	SC	VLT=58%	<input checked="" type="checkbox"/>	Area=	SC	VLT=58%	<input checked="" type="checkbox"/>	Area=	SC	VLT=58%		
			727.37m <sup>2</sup>	=0.59	ER=8%		275.50m <sup>2</sup>	=0.59	ER=8%		1518.18m <sup>2</sup>	=0.59	ER=8%		452.62m <sup>2</sup>	=0.59	ER=8%		
		<input checked="" type="checkbox"/>	Area=	SC	VLT=66%	<input checked="" type="checkbox"/>	Area=	SC	VLT=66%	<input checked="" type="checkbox"/>	Area=	SC	VLT=66%	<input checked="" type="checkbox"/>	Area=	SC	VLT=66%		
			549.24m <sup>2</sup>	=0.67	ER=5%		273.79m <sup>2</sup>	=0.67	ER=5%		1096.74m <sup>2</sup>	=0.67	ER=5%		284.18m <sup>2</sup>	=0.67	ER=5%		
	<input checked="" type="checkbox"/>	Area=	SC	VLT=61%	<input checked="" type="checkbox"/>	Area=	SC	VLT=61%	<input checked="" type="checkbox"/>	Area=	SC	VLT=61%	<input checked="" type="checkbox"/>	Area=	SC	VLT=61%			
	335.01m <sup>2</sup>	=0.64	ER=8%		133.24m <sup>2</sup>	=0.64	ER=8%		781.14m <sup>2</sup>	=0.64	ER=8%		238.20m <sup>2</sup>	=0.64	ER=8%				
	<input type="checkbox"/>	Area=	SC	VLT=%	<input checked="" type="checkbox"/>	Area=	SC	VLT=69%	<input type="checkbox"/>	Area=	SC	VLT=%	<input type="checkbox"/>	Area=	SC	VLT=%			
		m <sup>2</sup>	=	ER=%		37.98m <sup>2</sup>	=0.70	ER=5%		m <sup>2</sup>	=	ER=%		m <sup>2</sup>	=	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					Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Solar Radiation through Glazing		11.78W/m <sup>2</sup>					6.86W/m <sup>2</sup>					13.72W/m <sup>2</sup>				9.14W/m <sup>2</sup>			
Average Absorptivity		0.654					0.615					0.627				0.606			
RT <sub>wall</sub> at each façade		15.80W/m <sup>2</sup>					12.25W/m <sup>2</sup>					16.34W/m <sup>2</sup>				11.98W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		13.40W/m <sup>2</sup>																	

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing						
Total Roof Area (Residential Units)		m <sup>2</sup>				
Total Skylight Area		m <sup>2</sup>				
Heat Conduction	Roof	W/m <sup>2</sup>				
	Skylight	W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective		Area= m <sup>2</sup>		SC=
						VLT= %
						ER= %
	Double Glazing	<input checked="" type="checkbox"/> Tinted		Area= m <sup>2</sup>		SC=
						VLT= %
External Shading	<input type="checkbox"/> Clear		Area= m <sup>2</sup>		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 <sup>2</sup>				
Average Absorptivity (roof)						
Overall RTTV <sub>Roof</sub>		W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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-T3

Address :	URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon	BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify :	
No. of Storeys (Residential Units)	41	

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>																	
Façade Orientation Facing		North North East				East North East				East South East				South South East			
Wall Orientation Factor		0.924				1.072				1.051				0.975			
Total External Wall Area (Residential Units)		1574.87m <sup>2</sup>		Window to Wall Ratio =0.29		3026.16m <sup>2</sup>		Window to Wall Ratio =0.43		2938.27m <sup>2</sup>		Window to Wall Ratio =0.56		3574.47m <sup>2</sup>		Window to Wall Ratio =0.42	
Total Window Area		458.38m <sup>2</sup>				1302.35m <sup>2</sup>				1655.40m <sup>2</sup>				1493.65m <sup>2</sup>			
Heat Conduction	Opaque Wall	2.48W/m <sup>2</sup>				2.96W/m <sup>2</sup>				1.88W/m <sup>2</sup>				2.91W/m <sup>2</sup>			
	Window	0.53W/m <sup>2</sup>				1.17W/m <sup>2</sup>				1.42W/m <sup>2</sup>				1.00W/m <sup>2</sup>			
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area= 299.71m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 555.74m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 729.22m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 638.78m <sup>2</sup>	SC =0.59	VLT=58% ER=8%
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 524.24m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 517.64m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 514.13m <sup>2</sup>	SC =0.67	VLT=66% ER=5%
		<input checked="" type="checkbox"/> Tinted	Area= 158.67m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 231.02m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 408.54m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 340.73m <sup>2</sup>	SC =0.64	VLT=61% ER=8%
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%
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	
External Shading		Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Solar Radiation through Glazing		6.82W/m <sup>2</sup>				10.31W/m <sup>2</sup>				13.35W/m <sup>2</sup>				8.71W/m <sup>2</sup>			
Average Absorptivity		0.6				0.627				0.63				0.654			
RTTV at each façade		9.83W/m <sup>2</sup>				14.44W/m <sup>2</sup>				16.65W/m <sup>2</sup>				12.62W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		13.82W/m <sup>2</sup>															

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing		2.16				
Total Roof Area (Residential Units)		443.89m <sup>2</sup>				
Total Skylight Area		0m <sup>2</sup>				
Heat Conduction	Roof	3.23W/m <sup>2</sup>				
	Skylight	0W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	External Shading	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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		0W/m <sup>2</sup>				
Average Absorptivity (roof)		0.7				
Overall RTTV <sub>Roof</sub>		3.23W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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.

(9/2014)

## RTTV Summary Sheet-T3

Address :	URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon	BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify :	
No. of Storeys (Residential Units)	41	

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>																			
Façade Orientation Facing		South South West					West South West					West North West				North North West			
Wall Orientation Factor		1.092					1.131					0.965				0.79			
Total Internal Wall Area (Residential Units)		1898.12m <sup>2</sup>					2931.11m <sup>2</sup>					2805.81m <sup>2</sup>				2901.48m <sup>2</sup>			
Total Window Area		0m <sup>2</sup>					1835.89m <sup>2</sup>					1563.41m <sup>2</sup>				1133.41m <sup>2</sup>			
Window to Wall Ratio		=0					=0.63					=0.56				=0.39			
Heat Conduction	Opaque Wall	7.01W/m <sup>2</sup>					1.33W/m <sup>2</sup>					1.79W/m <sup>2</sup>				2.18W/m <sup>2</sup>			
	Window	0W/m <sup>2</sup>					1.68W/m <sup>2</sup>					1.31W/m <sup>2</sup>				0.79W/m <sup>2</sup>			
Window	Glass Type	<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=58%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=58%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=58%		
			m <sup>2</sup>	=	ER=%	914.09m <sup>2</sup>	=0.59	ER=8%	702.56m <sup>2</sup>	=0.59	ER=8%	275.29m <sup>2</sup>	=0.59	ER=8%					
		<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=66%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=66%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=66%		
			m <sup>2</sup>	=	ER=%	532.63m <sup>2</sup>	=0.67	ER=5%	515.31m <sup>2</sup>	=0.67	ER=5%	486.08m <sup>2</sup>	=0.67	ER=5%					
	<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=61%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=61%	<input checked="" type="checkbox"/> Tinted	Area=	SC	VLT=61%			
	m <sup>2</sup>	=	ER=%	389.17m <sup>2</sup>	=0.64	ER=8%	345.55m <sup>2</sup>	=0.64	ER=8%	372.05m <sup>2</sup>	=0.64	ER=8%							
<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input type="checkbox"/> Tinted	Area=	SC	VLT=%	<input type="checkbox"/> Tinted	Area=	SC	VLT=%				
	m <sup>2</sup>	=	ER=%	m <sup>2</sup>	=	ER=%	m <sup>2</sup>	=	ER=%	m <sup>2</sup>	=	ER=%	m <sup>2</sup>	=	ER=%				
Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
	External Shading	Overhang <input 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 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		0W/m <sup>2</sup>					16.44W/m <sup>2</sup>					12.54W/m <sup>2</sup>				8.01W/m <sup>2</sup>			
Average Absorptivity		0.6					0.672					0.627				0.6			
RT <sub>wall</sub> at each façade		7.01W/m <sup>2</sup>					19.45W/m <sup>2</sup>					15.64W/m <sup>2</sup>				10.98W/m <sup>2</sup>			
Overall RTTV <sub>wall</sub>		13.82W/m <sup>2</sup>																	

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing						
Total Roof Area (Residential Units)		m <sup>2</sup>				
Total Skylight Area		m <sup>2</sup>				
Heat Conduction	Roof	W/m <sup>2</sup>				
	Skylight	W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective				
		Area=	SC=	VLT= %	ER= %	
		m <sup>2</sup>				
	Double Glazing	<input checked="" type="checkbox"/> Tinted				
		Area=	SC=	VLT= %	ER= %	
	m <sup>2</sup>					
External Shading	<input type="checkbox"/> Clear					
	Area=	SC=	VLT= %	ER= %		
	m <sup>2</sup>					
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 <sup>2</sup>				
Average Absorptivity (roof)						
Overall RTTV <sub>Roof</sub>		W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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-T5

Address :	URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon	BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input 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 Reflectance	%	%	%	%	%	%	%	%	%

Table 2

RTTV <sub>wall</sub>																		
Façade Orientation Facing		North North East				East North East				East South East				South South East				
Wall Orientation Factor		0.924				1.072				1.051				0.975				
Total External Wall Area (Residential Units)		1623.54m <sup>2</sup>		Window to Wall Ratio =0		3592.07m <sup>2</sup>		Window to Wall Ratio =0.58		2537.59m <sup>2</sup>		Window to Wall Ratio =0.58		3277.72m <sup>2</sup>		Window to Wall Ratio =0.41		
Total Window Area		0m <sup>2</sup>				2072.13m <sup>2</sup>				1466.50m <sup>2</sup>				1339.36m <sup>2</sup>				
Heat Conduction	Opaque Wall	5.33W/m <sup>2</sup>				1.74W/m <sup>2</sup>				1.85W/m <sup>2</sup>				2.49W/m <sup>2</sup>				
	Window	0W/m <sup>2</sup>				1.52W/m <sup>2</sup>				1.48W/m <sup>2</sup>				1.04W/m <sup>2</sup>				
Window	Glass Type	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 902.23m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 647.98m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 535.80m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 739.22m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 500.17m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 522.66m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 430.69m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 318.35m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 280.90m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 31.75m <sup>2</sup>	SC =0.70	VLT=69% ER=5%	
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<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 type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		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 type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Sidefin <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	Solar Radiation through Glazing		0W/m <sup>2</sup>				13.89W/m <sup>2</sup>				13.48W/m <sup>2</sup>				8.73W/m <sup>2</sup>			
Average Absorptivity		0.6				0.648				0.633				0.6				
RTTV at each façade		5.33W/m <sup>2</sup>				17.16W/m <sup>2</sup>				16.82W/m <sup>2</sup>				12.25W/m <sup>2</sup>				
Overall RTTV <sub>wall</sub>		13.69W/m <sup>2</sup>																

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing		2.16				
Total Roof Area (Residential Units)		458.05m <sup>2</sup>				
Total Skylight Area		0m <sup>2</sup>				
Heat Conduction	Roof	3.23W/m <sup>2</sup>				
	Skylight	0W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective		Area= m <sup>2</sup>	SC=	VLT= % ER= %
	Double Glazing	<input type="checkbox"/> Tinted		Area= m <sup>2</sup>	SC=	VLT= % ER= %
	External Shading	<input type="checkbox"/> Clear		Area= m <sup>2</sup>	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		0W/m <sup>2</sup>				
Average Absorptivity (roof)		0.7				
Overall RTTV <sub>Roof</sub>		3.23W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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-T5

Address : URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon		BD Ref. No. 2/4023/12(Pt II)
Building Type :	Residential Tower	
RTTV calculated by	<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input 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 Reflectance	%	%	%	%	%	%	%	%	%

Table 2

RTTV <sub>wall</sub>																			
Façade Orientation Facing		South South West				West South West				West North West				North North West					
Wall Orientation Factor		1.092				1.131				0.965				0.79					
Total External Wall Area (Residential Units)		1094.32m <sup>2</sup>		Window to Wall Ratio =0.20		3094.89m <sup>2</sup>		Window to Wall Ratio =0.35		2657.45m <sup>2</sup>		Window to Wall Ratio =0.57		3707.53m <sup>2</sup>		Window to Wall Ratio =0.48			
Total Window Area		213.82m <sup>2</sup>				1085.81m <sup>2</sup>				1506.38m <sup>2</sup>				1794.61m <sup>2</sup>					
Heat Conduction	Opaque Wall	4.07W/m <sup>2</sup>				3.46W/m <sup>2</sup>				1.79W/m <sup>2</sup>				1.73W/m <sup>2</sup>					
	Window	0.42W/m <sup>2</sup>				0.91W/m <sup>2</sup>				1.33W/m <sup>2</sup>				0.94W/m <sup>2</sup>					
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area= 138.35m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 595.82m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 759.03m <sup>2</sup>	SC =0.59	VLT=58% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 802.97m <sup>2</sup>	SC =0.59	VLT=58% ER=8%		
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input checked="" type="checkbox"/> Tinted	Area= 262.76m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 500.17m <sup>2</sup>	SC =0.67	VLT=66% ER=5%	<input checked="" type="checkbox"/> Tinted	Area= 632.63m <sup>2</sup>	SC =0.67	VLT=66% ER=5%		
		<input checked="" type="checkbox"/> Tinted	Area= 75.47m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 227.23m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 247.19m <sup>2</sup>	SC =0.64	VLT=61% ER=8%	<input checked="" type="checkbox"/> Tinted	Area= 359.01m <sup>2</sup>	SC =0.64	VLT=61% ER=8%		
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	SC =	VLT=% ER=%		
Double Glazing		<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
	External Shading	Overhang	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Overhang	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Overhang	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Overhang	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Overhang	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Overhang	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
		Sidfin	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Sidfin	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sidfin	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sidfin	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sidfin	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sidfin	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Solar Radiation through Glazing		5.41W/m <sup>2</sup>				9.35W/m <sup>2</sup>				13.05W/m <sup>2</sup>				9.78W/m <sup>2</sup>					
Average Absorptivity		0.6				0.648				0.627				0.606					
R <sup>7</sup> at each façade		9.90W/m <sup>2</sup>				13.72W/m <sup>2</sup>				16.17W/m <sup>2</sup>				12.46W/m <sup>2</sup>					
Overall RTTV <sub>wall</sub>		13.69W/m <sup>2</sup>																	

Table 3

RTTV <sub>Roof</sub>						
Roof Orientation Facing						
Total Roof Area (Residential Units)		m <sup>2</sup>				
Total Skylight Area		m <sup>2</sup>				
Heat Conduction	Roof	W/m <sup>2</sup>				
	Skylight	W/m <sup>2</sup>				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	Double Glazing	<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
	External Shading	<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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 <sup>2</sup>				
Average Absorptivity (roof)						
Overall RTTV <sub>Roof</sub>		W/m <sup>2</sup>				

ER = External Reflectance; SC = Shading coefficient &amp; 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.