

RTTV Summary Sheet

Notes:

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Window and skylight data should represent the major proportion
of its use in the development.

PNAP **APP-156** Appendix A

Address: F	Proposed Residential & Commercial Development on T.W.T.E. No. 359, not writing hold and hang ru Street, Area 16, Tuen Mun, N.T.																				
Building Typ	e:	Residential (FOR TOWER 1)																			
RTTV calcul		1. Regis	`			ineers	lij														
		2. Archit	ect																		
	į.	✓ 3. Other		e specif	v: BEA	M Con	sultant														
No. of Store	ys	24	-, ,,,,,,,,		,																
Table 1	Offics)											-									
								Deeme	d to Sa	tisfy	RTTV _W	lall.									
Facade Orie	ntation Facil		North		E	ast	T	South					I								
Average Abs	sorptivity		\neg	0.89			.90	0.87			0.46							1			
Average Wir	ndow to Wall	Ratio				25	0.4	14		0							+				
Shading Coe	efficient of G	lazing					48-0.49	0.4	18-0.63												
Average Sha	ading Coeffic	ient of Faca	de	1 2000 0 000 0000			48	0.4	19												
Visible Light	Transmittan	ce		52	%	52	%	50-	-53 %	%		%		%		%	c	%	%		
External Ref	lectance			20	%	20	%	13-	20 %	%		%		%		%	Ç	%	%		
Table 2																					
									RTT	V _{Wall}	l v										
Facade Orie Facing	ntation		No	North				Eas						uth			We	est			
Wall Orienta	tion Factor		0	.790				1.072			0.						1.1	31			
Total Externa (Residential		3820.	72 m²	2 m² Window to W			1104.	06 m²	Windo Ratio	w to	Wall	43	4351.01 m²		ow to Wall			Windo	Window to Wall		
Total Windov	Total Window Factor 1558.5			= 0.41			276.6	59 m²	= 0	0.25		1929.63 m²		Ratio = 0	.44	1		= 0			
Heat Conduction	Opaque Wall	5.83			W/m²		10.13	10.13		W/m²		6.60		W/m²		7.30		W/m²			
	Window		0.38	.38		W/m²		0.32			W/m²		0.56		W/m²	0			W/m²		
Window	Glass Type		Area= 1558.56 m²	SC= 0.48		52 % 20 %	Reflective	Area= 276.69 m²	SC= 0.48	1	T= 52 % = 20 %	Reflectiv	Area= 1929.63 m ²	SC= 0.49	VLT=50-5% ER= 13-2%	Pofloativo	Area=	SC=	VLT= % ER= %		
			Area=	SC=	VLT=			Area=	SC=	VLT			Area=	SC=	VLT= %		Area=	SC=	VLT= %		
		Tinted	m²		ER=	%	Tinted	m²		ER:		Tinted	m²		ER= %		m²		ER= %		
		Clear	Area= m²	SC=	VLT=	: % %	Clear	Area= m²	SC=	VLT ER:			Area=	SC=	VLT= % ER= %		Area=	SC=	VLT= % ER= %		
	Double Glazing		✓ Ye	Yes No				✓ Yes		No			✓ Yes] No		Yes	· 🗸	No		
	External	Overhang		Yes	V	No	Overhang		Yes	V	No	Overha	na F	Yes	✓ No	Overhan	а Г	Yes	✓ No		
	Shading	Sidefin		Yes	<u>V</u>		Sidefin		Yes		No	Sidefin	Ť	Yes	V No	Sidefin		Yes	✓ No		
Solar Radiati	on through			6.52		W/m²		5.41			W/m²		8.84		W/m²		0		W/m²		
Average Abs	orptivity	170=2		0.89	.89				0.90				0.87				0.4	6			
RTTV _{Wall} at e	each facade		4.75					li i	1.71			W/m² 6.80			W/m²	0.68			W/m²		
Overall RTT\	/ _{Wall}		13.95 W/m²																		
Table 3																					
									RTTV	Roof											
Roof Orienta			2.16																		
Total Roof Ar		tial Units)																			
Total Skylight			+	- m²																	
Heat Conduction	Roof			2.67 W/m²																	
Skylight	Skylight Glass Ty	no	Пв	eflective		Are			-	, ,	SC=		//m²	VLT=			l en				
Skylight	Glass Ty	pe		nted		Are			mi mi	-	SC=					% ER=			%		
				lear		Are					-				VLT=		% ER=		%		
	Double G	Nozina		Cai		Ale	a-		m ²	- 3	SC=			VLT=		%	ER=		%		
	ļ		-			-						Yes	✓ No								
	External		-									Yes	₩ No								
Solar Radiati									•	V	//m²										
Average Abs		f)									0.70										
Overall RTT\									2.67	V	//m²										

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Any person making a false declaration or misrepresenting a material fact shall be guilty of a criminal offence and subject to prosecution.

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Purposes of Collection

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For other submissions to the New Buildings Division:

Receipt & Despatch Counter, Buildings Department, 7/F, 14 Taikoo Wan Road, Taikoo Shing, Hong Kong.

D. Contact Details

Buildings Department

Address: Buildings Department Headquarters, North Tower, West Kowloon Government Offices, 11 Hoi Ting Road, Yau Ma Tei, Kowloon

Tel No.: 2626 1616 (handled by "1823")

Fax No.: 2537 4992

Email: enquiry@bd.gov.hk



RTTV Summary Sheet

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Appendix

Address: Proposed Residential & Commercial Development on T.M.T.L. No. 539, Hoi Wing Road and Hang Fu Street, Area 16, Tuen Mun, N.T.													BD F	BD Ref. No.						
Building Type	ing Type: Residential (FOR TOWER 2)																			
RTTV calcula	-	_			al Engine	ers					-									
	Ī	2. Archit	tect																	
	Ī	3. Other	rs, please	specify	: BEAM	Cons	ultant													
No. of Storey	'S																			
(Residential	Units)	22																		
Table 1																				
								Deeme	ed to Sat	tisfy F	RTTVW	all								
Facade Orientation Facing				North			ast	South			West									
Average Abs							78		0.88											
Average Win				0.44			29		0.34									-		
Shading Coe				0.48-0.97			18-0.49		48-0.97	_	0.48-0.4	19						-		
Average Sha				0.59	%	0.4	%	0.5		_	52	%		%		0/		,		
Visible Light External Refl		.e		52-89 8-20	%	20	%		-	-	20	%		%		%		6	%	
	ectance			8-20	70	20	70	8-20	,	°]	20 %			70		70		0	70	
Table 2									RTT	/				12.06.50						
Facade Orier	ntation								, v vva											
Facing			No	rth				Ea	st				So	uth			West			
Wall Orientat	ion Factor		0.	790				1.072	2				0	.44						
Total Externa (Residential I		1776.	.95 m²	Ratio			1421.	70 m²	0 m² Window t			1137.43 m²		Ratio	Window to Wall Ratio				Window to Wall Ratio	
Total Window	Factor	776.6	53 m²	= 0.41			419.0)5 m²	m ² = 0.2			386	386.79 m²		= 0.44		84.50 m²		= 0.05	
Heat Conduction	Opaque Wall		4.89					8.27			W/m²		7.95	W/n			6.79		W/m²	
	Window		0.60	0.60		/m²		0.37	0.37		W/m²		0.48	W/m²			0.07		W/m²	
Window	Glass Type	Reflective	Area= 776.63 m²	SC= 0.59	VLT=52 ER=8-2		Reflective	Area= 419.05 m²	SC= 0.48	VLT= ER=	= 52 % 20 %	Reflective	Area= 386.79 m²	SC= 0.53	VLT-52-89% ER=8-20 %	Reflective	Area= 84.50 m²	SC= 0.48	VLT= 52 % ER= 20 %	
			Area=	SC=	VLT=	%		Area=	SC=	VLT=			Area=	SC=	VLT= %		Area=	SC=	VLT= %	
		Tinted	m²		ER=	%	Tinted	m²		ER=	%	Tinted	m²		ER= %	Tinted	m²		ER= %	
			Area=	SC=	VLT=	%		Area=	SC=	VLT=	= %		Area=	SC=	VLT= %		Area=	SC=	VLT= %	
		Clear	m²		ER=	%	Clear	m²		ER=	%	Clear	m²		ER= %	Clear	m²		ER= %	
	Double Glazing		Ye Ye	Yes No				✓ Ye	Yes 1				Ye:	s [No		✓ Yes	. [□ No	
	External Shading	Overhang		Yes 🗸			Overhang		Yes	V	No	Overhang	erhang		V No	Overhan	verhang		✓ No	
	Orlauling	Sidefin		Yes	✓ No		Sidefin		Yes	V	No	Sidefin		Yes	V No	Sidefin		Yes	✓ No	
Solar Radiati Glazing	on through		8.54			/m²			6.39				7.40		W/m²		1.2	20	W/m²	
Average Abs	orptivity)	0.78				0	.78				0.88			0.45				
RTTV _{Wall} at 6	each facade		:	3.40	W	/m²			2.91		W/m²		2.45		W/m²		1.7	6	W/m²	
Overall RTT\	/ _{Wall}										13.78	W	m²							
Table 3				Market State of State									***************************************							
									RTTV											
Roof Orienta		4: -1 1 1-:4-3							2.1											
Total Roof Ar		tial Units)	225.2 m²																	
Total Skylight			- m²																	
Heat Conduction	Roof								2.6	57		W/	m²							
	Skylight											W	m²							
Skylight	Glass Ty	ре	R	Reflective			a=		m	² SC)= 					%	ER=		%	
			Ti	Tinted Ar			a=		m	² SC	C=			VLT=		%	ER=		%	
			С	Clear Are					m	2 SC	C=			VLT=		%	ER=		%	
	Double G	Slazing										Yes	✓ No							
	External	Shading										Yes	✓ No							
Solar Radiati	on through (Glazing									•	W/	m²							
Average Abs								C	0.70											
Overall RTTV _{Roof}										2	2.67	W/	m²							



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PNAP APP-156 Appendix

Address: P	Troposed residential & Commercial Development on T.W.T.E. No. 355, not wing road and hang rd Street, Area 16, 1den Mun, N.1.														BD	BD Ref. No.							
Building Typ	e: [F	Residential (FOR TOWER 2)																					
RTTV calcul			stered Pr		<u> </u>	eers																	
		2. Archi	tect																				
	li li	✓ 3. Othe		e specify	BEAM	Con	sultant						*			-							
No. of Storey (Residential	/s	22																					
	Offics)																						
Table 1 Deemed to Satisfy RTTV _{Wall}															Weeks/A								
Facade Orie	ntation Eacir	ng.		Courth F			North East	Deeme	all														
Average Abs		ig		South East 0.90			90	-		-									_				
Average Win		Ratio				_	03	-		-		-		-					-				
Shading Coe	The second secon					_	48	1						-			_				_		
Average Sha	ding Coeffic	ient of Face	ade			_	48										_		-				
Visible Light	Transmittan	ce		50-52	%	52 9			9	6		%		%			%		%		%		
External Ref	ectance			13-20	%	20	%		9	6		%		%			%		%		%		
Table 2																4101			-				
									RTT	/ _{Wall}						60.5							
Facade Orie	ntation		Ca					N-										Bearing and					
Facing			301	uth East				INC	rth East														
Wall Orientat			1.	1.051				0.924	1														
Total Externa (Residential		1243.	.55 m²	55 m² Window to Wal		III	155.7	5 m²	m² Window Ratio		to Wall		m²		Window to Wall Ratio			m	2 Wind	low to Wa	all		
Total Window		69 m²	= 0.46			4.28	m²	= 0			m²		=			m	=						
Heat Conduction	Opaque Wall	×	7.11			W/m²		11.33	3	W/m²				•	W/m²					W			
	Window	0.63			٧	//m²		0.03	0.03		W/m²				W/m²					V	V/m²		
Window	Glass Type		Area= 576.69 m²	SC= 0.49	VLT=50		V	Area= 4.28 m²	SC= 0.48	VLT= 52			Area=	SC=	VLT=	%		Area=	SC=	VLT=	%		
		Reflective	m² Area=	SC=	VLT=	-20° %	Reflective	Area=	SC=	ER= 20 VLT=	%	Reflective	m² Area=	SC=	ER=	%	11011001110	m² Area=	SC=	ER=	%		
		Tinted	m²		ER=	%	Tinted	m²		ER=	%	Tinted	m²		ER=	%	Tinted	m²		ER=	%		
			Area=	SC=	VLT=	%		Area=	SC=	VLT=	%		Area=	SC=	VLT=	%		Area=	SC=	VLT=	%		
		Clear	m²		ER=	%	Clear	m²		ER=	%	Clear	m²		ER=	%	Clear	m²		ER=	%		
	Double Glazing		✓ Ye					✓ Yes	s 🗌	No			Yes	; <u> </u>	No			Ye	s [No			
	External Shading	Overhang		Yes V)	Overhang		Yes	✓ No ✓ No		Overhang	erhang		es No		Overhan	g [Yes		☐ No		
		Sidefin				0	Sidefin		Yes			Sidefin		Yes No		Sidefin		Yes	□ No	o			
Solar Radiati Glazing	on through		10.01			//m²			0.51							W/m²				V	V/m²		
Average Abs	orptivity		(0.90				0	.90														
RTTV _{Wall} at e	each facade			3.01 V				(0.25	W	m²				1	W/m²					V/m²		
Overall RTTV	/ _{Wall}									13	78	W/r	m²										
Table 3						A Line			DET	West Villa	elne.						21200000000	-01-X-01-1-1-1-1			1109001		
Roof Oriental	ion Footor								RTTV	V-000000000000000000000000000000000000													
Total Roof Ar		tial Unite)							2.1				•					-					
Total Skylight		iidi Oilita)		225.2 m²																			
Heat	Roof		-	- m² 2.67 W/m²															-				
Conduction			-						2.0										-				
Ol-di-hi	Skylight									. [W/r	m²	N 1000-00									
Skylight	Glass Typ	oe		Reflective			a=		m ²					VLT=				% ER=			%		
				Tinted Are					m²				VLT=				% ER=			%			
	B		- L] CI	ear		Are	a=		m²	SC=		VLT=					%	ER=	%				
	Double G											Yes	✓ No										
	External	Shading										Yes	✓ No										
Solar Radiation	on through G								-		W/r	n²											
Average Abso	orptivity (roo								0.70														
Overall RTTV	Poof								2 67		\\//r	m²											

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