

Overall RTTV_{Roof}

RTTV Summary Sheet

Notes: ER = External Reflectance SC = Shading Coefficient VLT = Visible Light Transmittance

PNAP **APP-156**

BU	JILDIN EPARTHE	GS							Window an of its use in			ld repre	sent the majo	or proport	ion	Appei	ndix A
Address: P	ROPOSEI AI LAMI, N		DEVE	LOPM	ENT AT	TUEN MU	NOT N	VN LOT	NO.490					BD	Ref. No. BD 2	2 / 904	8 / 14
Building Type		Residential															
RTTV calcula	ated by	1. Regis		ofession	al Engineer	S						_					
	Į	2. Archit	2000														
	Į.	3. Other	s, please	e specify	:												
No. of Storey (Residential		3 Storeys	s (Hous	se 1)													
Table 1										A Tarasata C Pa Comm				I Paren			
							Deeme	ed to Sati	sfy RTTV _y	Vall	(SEASON)			\$ 600 h			
Facade Orie		g															
Average Abs			_											_			
Average Win	CONTRACTOR ACT II STREET HE	Alera Kolmeri	_				-					_					
Shading Coe				_	_		-							_			
Average Sha	and the second of the second o	100.	ide		00					- 04		-					
Visible Light External Ref	17-17-17-17-17-17-17-17-17-17-17-17-17-1	ce	-		%		_	%		%		%		%		%	%
Francisco de la companione de la compani	ectance	_			70	76		%		%		%		%		%	%
Table 2								RTTV							701/2007		V 45 60 81
Facade Orie	ntation		North	Fact			Sout	h East	Wall	l	Sout	h Wes	•		Nort	- \\/	•
Facing Wall Oriental	ion Easter		30137000	24			2000	.051			(0)000000000000000000000000000000000000	092	st			n Wes	t
Total Externa	materials of the state of the			togramman .	w to Wall	-			to Wall		1.0	1	ow to Wall		0.	965 Tur-t	
(Residential		88.	17 m²	Ratio	w to wall	151.	88 m	Ratio	v to vvali	95	5.57 m²	Ratio	ow to vvaii	144	4.88 m²	Ratio	ow to Wall
Total Windov		22.	30 m²	0.5	55	19.	21 m	0.13	3	6	9.40 m²		.73	3	1.55 m²	= (0.22
Heat Conduction	Opaque Wall		3	.12	W/m	'	5.	47	W/m²		1.	04	W/m²		2.0	7	W/m²
	Window			.33	W/m			19	W/m²		1.		W/m²		0.	30	W/m²
Window	Glass Type	Reflective	Area= m²	SC=	VLT= 5	Reflective	Area=	500000000	VLT= % ER= %		Area=	SC=	VLT= % ER= %		Area=	SC=	VLT= %
		Kellective	Area=	SC=	VLT= 50 °	110000000	M² Area=		VLT= 50 %	Reflectiv	e m² Area=	SC=	VLT= 50%	Reflective	e m² Area=	SC=	ER= %
		0.0000000000000000000000000000000000000	22.30m²	0.43	ER= 18 *		19.21 m²		ER= 18 %		69.40 m²	0.43	ER= 18 %		31.55m²	0.43	ER= 18 %
		Clear	Area= m²	SC=		6 Clear	Area=		VLT= % ER= %		Area=	SC≃	VLT= % ER= %	Clear	Area=	SC=	VLT= % ER= %
	Double Glazing		☑ Ye	s 🔲	No		✓Ye	s 🔲	No		√ Ye:		No		☑ Ye:	s [No
	External	Overhang	Г	Yes	No	Overhan	, Г	Yes	No	Overhai	ng [Yes	No	Overhar	Contract Dates	Yes	No
	Shading	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No
Solar Radiati	on through		-	20	W/m	100000000000000000000000000000000000000		39	W/m²		11			Oldomi			
Glazing Average Abs	orptivity		49	.55	VV/III		(1-1)	180484	vv/m-		14.	70.10	W/m²			.77	W/m²
RTTV _{Wall} at 6				65	W/m			66 .04	W/m²		0.7		W/m²			49	W/m²
Overall RTT\					2001/945	W			9.06		//m²						- 1777
Table 3									-101)								
								RTTV	Roof					CONTRACT.			
Roof Orienta	tion Factor								16								
Total Roof Ar	ea (Residen	tial Units)						10	5.62		m²						
Total Skyligh	t Area							N	I/A	- 1	m²						
Heat	Heat Roof 3.71 W/m²																
Conduction	Skylight							N	I/A	W	//m²						
Skylight	Glass Ty	ре	Re	eflective	Ar	ea=		m²	SC=			VLT=		%	ER=	_	%
			☐ Tir	nted	Ar	ea=		m²	SC=			VLT-		%	ER=		%
			CI	ear	Ar	ea=	880	m²	SC=			VLT=		%	ER=		%
	Double G	Blazing								Yes	☐ No	1					
	External	Shading								Yes	□ No						
Solar Radiati	on through C	Slazing						N	/A	-	//m²						
Average Abs	The second second								.9								

3.71

W/m²

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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 - (c) facilitating communication between the Buildings Department and yourself.
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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



Notes:

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



D (PARTME	NT							or its use in	trie devel	iopment.				O'REAL		
Address: P	ROPOSED AI LAMI, N		DEVE	LOPM	ENT AT T	UEN MU	IN TOW	N LOT	NO.490					BD F	Ref. No. BD 2 /	9048	/ 14
Building Type	e: F	Residential										10					
RTTV calcula	ated by	1. Regis	tered Pr	ofession	al Engineer	5											
		2. Archit	ect														
		3. Other	s, please	specify													
No. of Storey (Residential		3 Storeys	s (Hous	se 2)													
Table 1																	
1000 (D)							Deeme	d to Sati	sfy RTTV _W	fall							Salar Maria
Facade Orie	ntation Facin	9															
Average Abs	orptivity													_			
Average Win	ACCOUNT ACCOUNTS AND ACCOUNT	340120133900										_					
Shading Coe																	
Average Sha			ide			- 1-200				1200				NO.			
Visible Light	2002-14-150-71-30-14-11-11-11-11-11-11-11-11-11-11-11-11-	e	-		%			%		%		%		%	%	_	%
External Ref	ectance	-			%	%	1	%		%		%		%	%		%
Table 2			e la constante de	MERCH CO.			78011201100110					DISSUSSIONS					
								RTTV	Wall								
Facade Ories Facing	ntation		North	East			South	n East			Sout	h Wes	st		North	West	
Wall Oriental	tion Factor		0.9	924			1.	051			1.0	92			0.96	35	
Total Externa		65.	78 m²		w to Wall	128.	84 m²		v to Wall	92	.96 m²		w to Wall	152			w to Wall
(Residential		27/192	2.50	=	545	1/01/2007	Market Linear	Ratio		52017		Ratio				Ratio =	
Total Windov		26.	01 m ²	0.4	10	26.	24 m²	0.20	0	66	6.67 m²	0	.72	0.0	00 m²	0.2	22
Heat Conduction	Opaque Wall			.33	W/m		4.4		W/m²		1.1		W/m²		5.90		W/m²
	Window			.51	W/m		0.3		W/m²		1.		W/m²		0.00		W/m²
Window	Glass Type	Reflective	Area= m²	SC=	VLT= %		Area= m²	03.95050.T	VLT= % ER= %	Reflective	9.5500,0500.00	SC=	VLT= % ER= %	Reflective	93/8/10/4/11 DS	029-2 V	VLT= % ER= %
		\square	Area=	SC=	VLT= 50 9		Area=		VLT= 50 %	Ø	Area=	SC=	VLT= 50%		Area= S	C=	VLT= %
		Tinted	26.01m²	0.43	ER= 18 %		26.24 m²		ER= 18 %	Tinted	66.67 m²	0.43	ER= 18 %	Tinted	m²		ER= %
		Clear	Area= m²	SC=	VLT= %		Area=		VLT= % ER= %	Clear	Area=	SC=	VLT= % ER= %	Clear	Area= S	C=	VLT= % ER= %
	Double Glazing		☑ Ye	s 🗌	No		Yes		No		☑ Yes		No		Yes		No
	External	Overhang		Yes	No	Overhang	9 [Yes	No	Overhan	ng [Yes	No	Overhan	g 🗆	Yes	☐ No
	Shading	Sidefin		Yes	☑ No	Sidefin		Yes	No	Sidefin] Yes	No	Sidefin		Yes	☐ No
Solar Radiati Glazing	on through		6.	56	W/m		3.	B4	W/m²		14.0	06	W/m²		0.0	0	W/m²
Average Abs	orptivity		0.	.60			0.6	3			0.6	8			0.6	7	
RTTV _{Wall} at 6	each facade		10.	40	W/m		8.	56	W/m²		16.2	26	W/m²		5.9	90	W/m²
Overall RTT\	/ _{Wall}								9.54	W	/m²			OK			
Table 3		140000000000												STATE OF THE PARTY			
D (0)	-		1000					RTTV									
Roof Orienta	SAME TO THE PROPERTY OF THE PARTY OF T	Nat I Inital	-				_		.16								
Total Roof Ar	Tree Miles Harris Care	uai Units)							3.33	- 10	n²						
Total Skyligh			-						I/A		n²						
Heat Conduction	Roof		-						.71		/m²						
	Skylight		-					N	I/A	W	/m²						
Skylight	Glass Ty	pe		eflective	Ar	ea=		m²	100000000000000000000000000000000000000			VLT=			ER=		%
				nted	Ar	ea=		m²	SC=			VLT-		%	ER=		%
			□ cı	ear	Ar	ea=			3C=			VLT=		%	ER=		%
	Double G									Yes	☐ No						
	External:	Shading								Yes	☐ No						
Solar Radiati	on through G	Blazing						N	I/A	W	/m²						
Average Abs	orptivity (roo	ŋ						0	.9								
Overall RTT\	Roof							3	.71	W	/m²						

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APP-156
Appendix

Address: PROPOS TAI LAMI	ED HOUSE DEVELOPMENT AT TUEN MUN TOWN LOT NO.490	BD Ref. No. BD 2 / 9048 / 14
Building Type:	Residential	55276010711
RTTV calculated by	1. Registered Professional Engineers	
	2. Architect	
	3. Others, please specify:	
No. of Storeys (Residential Units)	3 Storeys (House 3)	

Table 1 Deemed to Satisfy RTTV_{Wall} Facade Orientation Facing Average Absorptivity Average Window to Wall Ratio Shading Coefficient of Glazing Average Shading Coefficient of Facade % % % Visible Light Transmittance % % % External Reflectance % % % % % %

Table 2																				
									RTT	V _{Wall}										
Facade Orie Facing	ntation		North	East				Sout	h East				Sout	th Wes	st		Nort	h Wes	st	
Wall Orienta	tion Factor		0.9	24				1	.051				1.	092			0.	965		
Total Externa (Residential		65.	.68 m²	Windo Ratio	w to Wa	II	128.	84 m²	Windo Ratio	w to Wall		92.	96 m²	Ratio	w to Wall	151	.32 m	Winde Ratio	ow to Wal	ı
Total Windov	w Factor	28.	.35 m²	0.4	43		26.	24 m²	0.2	20		66	.67 m ³	= o	.72	(0.00 m	2 =	0.00	
Heat Conduction	Opaque Wall		3.	.22	W	/m²		4.	08	W/m) ²		1.	10	W/m		5.	74	w	//m²
	Window		0	.56	W	/m²		0.	30	W/m	12		1.	10	W/m	e l	0.	.00	W	//m²
Window	Glass Type	Reflective	Area=	SC=	VLT= ER=	% %		Area=	SC=	1.7	%	Reflective	Area=	SC=	VLT= %		Area=	SC=	VLT= ER=	%
		Tinted	Area= 28.35m²	sc= 0.43	VLT= 5 ER= 1			Area= 26.24 m²	SC= 0.43	VLT= 50°		Tinted	Area= 66.67 m²	SC= 0.43	VLT= 50% ER= 18 %		Area=	SC=	VLT= ER=	%
		Clear	Area= m²	SC=	VLT= ER=	%	Clear	Area= m²	SC=	14.	%	Clear	Area= m²	SC=	VLT= % ER= %		Area=	SC=	VLT= ER=	%
	Double Glazing		☑ Ye:	s [No			☑ Ye	s 🗌	No			☑ Ye	s 🗆	No		Ye	s [] No	
	External Shading	Overhang Sidefin	, [Yes	Ø No		Overhang Sidefin	; [Yes Yes	☑ No ☑ No	\dashv	Overhang Sidefin		Yes Yes	No No	Overhan Sidefin	g [Yes Yes	□ No	11/
Solar Radiat Glazing	tion through	-	7.	16		//m²		3.	84	W/m	1		14.		W/m		0	0.00		//m²
Average Abs	sorptivity		0.	62				0	.61		1		0.	68			(0.66		_
RTTV _{Walf} at	each facade		10	.94	W	//m²		8	.22	W/m	1 ²		16	.26	W/m	2		5.74	W	//m²
Overall RTT	V _{Wall}									9.48	3	W/	m²							

Table 3 RTTV_{Roof} Roof Orientation Factor 2.16 Total Roof Area (Residential Units) 97.29 m² Total Skylight Area m² N/A Heat Roof 3.71 W/m² Conduction N/A Skylight W/m² Skylight Glass Type Reflective Area= m² SC= VLT= % ER= % VLT Tinted ER= Area= m² SC= % % Clear VLT= % ER= % Area= Double Glazing ☐ No Yes External Shading Yes ☐ No W/m² Solar Radiation through Glazing N/A 0.9 Average Absorptivity (roof) 3.71 Overall RTTV_{Roof} W/m²

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

PNAP
APP-156
Appendix

															0179		THE RESIDENCE OF
	'AI LAMI, I	N.T.		ELOPN	MENT AT	TUEN M	UN TOV	N LOT	NO.490					BD	Ref. No. BD 2	2 / 90	48 / 14
Building Typ		Residentia															
RTTV calcul	lated by			Profession	nal Enginee	rs											
	-	2. Arch	00555														
		3. Othe	ers, plea	se specif	y:												
No. of Store (Residential		3 Storey	ys (Hou	ise 5)													
Table 1							27-1460										
							Deeme	d to Sa	tisfy RTTV _v	Vall				3.50.03	ologo (No. of the last of
Facade Orie		ng															442-17-11-10-00-00-00-00-00-00-00-00-00-00-00-
Average Abs		ulari ara s															
Average Wir	SAMES AND A STREET	CHYPPOTA															
Shading Coe			_														
Average Sha			ade														
Visible Light	Committee of College College	ce	_		%		_	%		%		%		%	•	%	%
External Ref	lectance			_	%	%	•	%	6	%		%		%		%	%
Table 2								RTTV	1	E I I I I I I I I	Barana a						
Facade Orie	ntation		Nort	h East			Sout	h East		l i	Sou	th We	ct		Mort	- 10/-	_
Wall Oriental	tion Factor		_ /////////////////////////////////////	924			72.00400000	.051				092	51		North	965	st
Total Externa (Residential		65	.68 n	Windo	ow to Wall	128.	90000 10.0000	1	w to Wall	92	.96 m	Winde	ow to Wall	15	1.32 m²	Wind	low to Wall
Total Windov		28	.35 n	=	43	26.	24 m²	0.2	0	66	6.67 m	Ratio	.72		0.00 m²	Ratio =	0.00
Heat Conduction	Opaque Wall		;	3.22	W/m	2	4.5	59	W/m²		1.	10	W/m²		5.6	L 52	W/m²
	Window		. (0.56	W/m		0.3	33	W/m²		1.	08	W/m²		0.0	00	W/m²
Window	Glass Type	Reflective	Area=	SC=	Control Ac	6 Reflective	Area=		VLT= % ER= %		Area=	SC=	VLT= % ER= %		D WEST	SC=	VLT= %
			Area=	SC=	VLT= 50	· 🗹	Area=		VLT= 50 %	Reflective	Area=	SC=	VLT= 50%	Reflective		SC=	ER= %
		Tinted	28.35m	0.43	ER= 18		26.24 m² Area=	0.43 sc=	ER= 18 %		66.67 m² Area=	0.43 sc=	ER= 18 %	Tinted	m²		ER= %
		Clear	m		According 1	Clear	m²	10000	ER= %		m²	30=	VLT= % ER= %	Clear	Area=	SC=	VLT= %
	Double Glazing		Ø Ye	s 🗌	No		Yes		No		☑ Ye	s [No		Yes] No
	External Shading	Overhang		Yes	No	Overhang		Yes	Ø No	Overhan		Yes	Mo	Overhar		Yes	☐ No
Solar Radiation	on through	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin	L	Yes	No	Sidefin		Yes	☐ No
Glazing				.16	W/m		3.8	7/10/2	W/m²		14.	06	W/m²		0.	.00	W/m²
Average Abso				.62 0.94	W/m			63			0.6					.65	
Overall RTTV				J.54	VV/III	1	8.	73	9.58	W/	16.	26	W/m²		5	.62	W/m²
able 3																	
						14/19/0		RTTV	Roof						P		
Roof Orientat	838 0 200 AND 200.5							2.	16								
Total Roof Are	the Manager Manager	ial Units)						97	7.29	m	12						
Total Skylight	Area							N	I/A	m	12						
Heat Conduction	Roof							3.	.71	W/	m²						
Sondaction	Skylight							N	I/A	W/	m²						
Skylight	Glass Typ	е	R	eflective	Ar	ea=		m²	I Section			VLT=		%	ER=		0/
			Пті	nted		ea=		m²				VLT-		%	ER=		%
			С	ear		ea=	-	m².	3C=			VLT=		%			%
	Double G	lazing								Yes	☐ No			,0		-	70
	External S	Shading								Yes	□ No						
Solar Radiatio		3777777						N	/A							_	
verage Abso									a a	W/i	00"						

3.71

W/m²

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

Fax No.: 2537 4992



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

PNAP **APP-156** Appendix

Address: PROPOSED HOUSE DEVELOPMENT AT TUEN MUN TOWN LOT NO.490 BD Ref. No. TAI LAMI, N.T. BD 2 / 9048 / 14 Building Type: Residential

RTTV calcul	lated by	☑ 1. Regi	stered Pro	ofession	al Engineer	s													
	Ī	2. Arch	itect																
	Ī	3. Othe	rs, please	specify	:														
No. of Store (Residential		3 Storey	s (Hous	e 6)															
Table 1																			
							Deeme	d to Sa	tisfy RTT	V _{Wa}	ılı					SET AND	A season		
Facade Orie	entation Facin	g															1_		-
Average Abs	sorptivity																		
Average Wir	ndow to Wall	Ratio												_					
Shading Co	efficient of GI	azing									_	_							
Average Sha	ading Coeffic	ient of Fac	ade						_										
Visible Light	Transmittand	се			%			9	%		%		%		%	5	6		%
External Ref	flectance			_	%	%		9	%		%		%		%		6		%
Table 2							-												
Facade Orie	estation							RTT	V _{Wall}										
Facing	intation		North	East			Sout	h East	t			Sout	h We	st		North	n Wes	st	
Wall Orienta			0.9	1			1.	.051				1.	092			0.9	965		
Total External Wall Area (Residential Units) 60.91 m² Ratio 121.97 m² Window to Wall Ratio 73.92 m² Window to Wall Ratio 0.43 26.94 m² 0.22 51.69 m² 0.70 1.20						ow to Wall	154	1.49 m²	Wind Ratio	ow to Wa	all								
Total Window	w Factor	26	.30 m²	0.4	43	26.	94 m²	0.2	22		51	.69 m ³	0	.70		0.00 m²	-	0.00	
			3.	.15	W/m³		5.	69	W	m²		1.	20	W/m²		5.9	91	٧	N/m²
	Window		0.	.56	W/m³		0.	33	W/	m²		1.	80	W/m²		0.0	00	٧	N/m²
Window	Glass Type	Reflective	Area=	SC=	VLT= % ER= %		Area=	SC=	VLT= ER=	%	Reflective	Area=	SC=	VLT= % ER= %	Reflective	Area=	SC=	VLT= ER=	%
		\square	Area=	SC=	VLT= 50 %		Area=	SC=	VLT= 50)%	V	Area=	SC=	VLT= 50%		Area=	SC=	VLT=	%
		Tinted	26.30m²	0.43	ER= 18 %		26,94 m²	0.43	ER= 18	_	Tinted	51.69m²	0.43	ER= 18 %	Tinted	m²		ER=	%
		Clear	Area= m²	SC=	VLT= % ER= %		Area=	SC=	VLT= ER=	%	Clear	Area=	SC=	VLT= % ER= %	Clear	Area=	SC=	VLT= ER=	%
	Double	Olear	Yes		No	Oleal	✓ Ye:	. \Box	No	-	Clear	√ Ye		No	Clear	m² Yes		No	70
	Glazing			_		-				4			_		Contraction on		_		
	Shading	Overhang) <u> </u>	Yes	No	Overhang	9 L	Yes	No No	\rightarrow	Overhang) L	Yes	₩ No	Overhan	g	Yes	N	
Solar Radiat	l tion through	Sidelin	7.	Yes	✓ No W/m³	Sidefin		Yes 17	₩/		Sidefin	12	Yes .71	No W/m²	Sidefin		Yes	N	W. 100
Glazing					*******	-			VV/	"				VV/III-			0.00		V/m²
Average Abs				62				69	100			0.0		-			.67		
RTTV _{Wall} at each facade 10.88 W/m² 10.18 W/m² 15.98 W/m² Overall RTTV _{Wall} 9.72 W/m²							5	.91	v	V/m²									
DATE OF THE PARTY	Wall			_					9.7	_	VV/I	n-	-						-
Table 3				3				RTT	/ _{Beel}	200									
Roof Orienta	ation Factor								2.16	100.52			2000000						SIGN
Total Roof A	rea (Resident	tial Units)							3.77	1-7	m	2							_
Total Skyligh	15900								N/A	_	m								
Heat	Roof								3.71		W/r								
Conduction	Skylight								N/A		W/ı	m²							
Skylight	Glass Typ	ре	Re	flective	Ar	ea=	1		sC=)(240	You!	VLT=		%	ER=	_		%

Tinted Area= SC= m² VLT % ER= % Clear Area= VLT= % ER= % **Double Glazing** Yes ☐ No External Shading ☐ No Yes Solar Radiation through Glazing N/A W/m² Average Absorptivity (roof) 0.9 Overall RTTV_{Roof} 3.71 W/m²

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

PNAP **APP-156**

Appendix

Address: PI	AI LAMI, N	.T.	DEVE	ELOPM	ENT AT T	UEN MU	IN TOW	N LOT	NO.490					BD F	Ref. No. BD 2	2 / 904	8 / 14
Building Type		Residential															
RTTV calcula	ated by	1. Regis	stered P	rofession	al Engineers												
][2. Archi	tect														
	[3. Other	rs, pleas	e specify	:							161.00					
No. of Storey (Residential		3 Storey	s (Hou	se 7)													
Table 1			N30001 CS														
							Deeme	d to Sat	isfy RTTV _W	fall							
Facade Orie		9	_									_				_	
Average Abs	maranayas zi		_	-			-		-			_		$\overline{}$			
Average Win						_	-	_		_				_		-	
Shading Coe Average Sha		-	ado.				- Internation					-		_			
Visible Light	According to the according	The souls for the season see	ade	_	%		_	%		%		%		%		2/	0/
External Ref		.6			%		_	%		%		%		%		%	%
	lectarios				70	70			•	70		70		70		/0	76
Table 2								PTD	,	EA LOSA		A 5 (1)					
Facade Orie	ntation							RTTV	- water and a second	l							
Facing	induon	0 0	North	n East			Sout	h East			Sout	h Wes	st		Nort	h Wes	it
Wall Orientat	tion Factor		0.9	924			1.	.051			1.0	92			0.	965	
Total Externa (Residential		60.	87 m	Windo Ratio	w to Wall	122.	08 m²	Window	w to Wall	73	.92 m²	Windo	w to Wall	154	.49 m²	Windo	ow to Wall
Total Windov	v Factor	26.	30 m	= 0.	43	26.	86 m²	0.2	2	51	.69 m²	= 0	.70	C	0.00 m²	=	0.00
Heat Conduction	Opaque Wall		3	3.22	W/m²		4.	78	W/m²		1.2	20	W/m²		6.	83	W/m²
	Window		(0.56	W/m²		0.	33	W/m²		1.0	80	W/m²		0.	00	W/m²
Window	Glass Type	Reflective	Area=	SC=	VLT= %		Area=	SC=	VLT= % ER= %		Area=	SC=	VLT= % ER= %		Area=	SC=	VLT= % ER= %
		\square	Area=	SC=	VLT= 50 %	Ø	Area=	SC=	VLT= 50 %		Area=	SC=	VLT= 50%		Area=	SC=	VLT= %
		Tinted	26.30m ²	_	ER= 18 %		26.86 m²	0.43	ER= 18 %		51.69m²	0.43	ER= 18 %	Tinted	m²		ER= %
		Clear	Area= m²	SC=	VLT= %		Area=	SC=	VLT= % ER= %		Area= m²	SC=	VLT= % ER= %	Clear	Area=	SC=	VLT= % ER= %
	Double Glazing		☑ Ye	es	No		☑ Ye:	s 🗌	No		Yes		No		☑ Ye:	s [] No
	External	Overhang		Yes	No	Overhang	9 [Yes	No	Overhan	g [Yes	No	Overhan	9 [Yes	☑ No
	Shading	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No
Solar Radiati Glazing	ion through		7	.17	W/m²		4.	15	W/m²		13.	71	W/m²		(0.00	W/m²
Average Abs	orptivity		0	.62			0.	.65			0.6	67			C	.71	
RTTV _{Wall} at 6	each facade			0.95	W/m²			.26	W/m²		15.		W/m²			6.83	W/m²
Overall RTT\	5.51								9.81	W	/m²						
Table 3																	
								RTTV									
Roof Orienta									.16								
Total Roof Ar	ea (Residen	tial Units)						73	.77	n	n²						
Total Skyligh	t Area							1	V/A	n	n²						
Heat Conduction	Roof								3.71	W	/m²						
	Skylight		-						V/A	W	/m²						
Skylight	Glass Ty												%				
			т	inted	Are	ea=		m ³	SC=			VLT-		%	ER=		%
				lear	Are	ea=		m	3C≡			VLT=		%	ER=		%
	Double G	lazing								Yes	☐ No						
	External	Shading								Yes	☐ No						
Solar Radiati	ion through C	Blazing						1	N/A	W	/m²						
Average Abs	orptivity (roo	ŋ							0.9								
Overall RTT\	500 Table 10								3.71	,,,	/m²						

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PNAP
APP-156
Appendix A

DE	PARINE	N 1							i its use ii		iopinoni.				STATE OF	Nagion 13	The state of the s
Address: PI	ROPOSEI AI LAMI, N		DEVE	LOPM	ENT AT T	UEN MU	N TOW	N LOT	NO.490					BD F	Ref. No. BD 2 /	9048	3 / 14
Building Type	e: F	Residential															
RTTV calcula	ated by	☑ 1. Regis	tered Pr	ofession	al Engineers												
	[2. Archit	ect														
	Ī	3. Other	s, please	specify													
No. of Storey (Residential		3 Storeys	s (Hous	se 8)													
Table 1	•																
							Deeme	d to Sati	sty RTTV _V	Vall					in the day		
Facade Orien	ntation Facir	g					T					T					
Average Abs	orptivity																
Average Win	dow to Wall	Ratio											_				
Shading Coe	efficient of GI	azing															
Average Sha	ding Coeffic	ient of Faca	ide														
Visible Light	Transmittan	ce			%	76		%		%		%		%	%		%
External Refl	ectance				%	%		%		%		%		%	%		%
Table 2										•				•			
								RTTV	Wali								
Facade Orien	ntation		Month	F			0			T	0	L 10/-		002000000000000000000000000000000000000	N1 - 41		
Facing			North					h East			- Petro-National	h Wes	51		North	vves	i.
Wall Orientat	tion Factor		0.9	_			1.	051			1.0	092			0.9	65	
Total Externa (Residential		60.	87 m²	Windo Ratio	w to Wall	122.	09 m²	Window Ratio	to Wall	73	3.92 m²	Windo	w to Wall	154	AC ma	Windo Ratio	w to Wall
2000 Automotive (1990)	market and the second	27	85 m²	=	16	10.	27 m²	=		-	1 26 m²	=	60			=	0.00
TO SHOOT SO WELLING SO AND	Host Cassin																
Conduction	Wall			.36	W/m²			2.56	W/m²	-		.18	W/m²		9.	10077	W/m²
	Window 0.60 W/m² 0.23 W/m² 1.07 W/m² 0.00 W/m²																
Window	Glass Type	Reflective	Area= m²	SC=	VLT= % ER= %	Reflective	Area= m²		VLT= % ER= %	Reflectiv	Area=	SC=	VLT= % ER= %	Reflective		SC=	VLT= % ER= %
		\square	Area=	SC=	VLT= 50%	\square	Area=		VLT= 50 %		Area=	SC=	VLT= 50%		Area= S	SC=	VLT= %
		Tinted	27.85m²	0.43	ER= 18 %	Tinted	19.37 m²		ER= 18 %	_	51.36m²	0.43	ER= 18 %	Tinted	m²		ER= %
	K	Clear	Area= m²	SC=	VLT= % ER= %	Clear	Area= m²	N/28.09===	VLT= % ER= %		Area=	SC=	VLT= % ER= %	Clear	Area= S	SC=	VLT= % ER= %
	Double Glazing		☑ Ye	s 🗌	No		☑ Ye:	s 🔲	No		☑ Yes	s [No		Yes		No
	External	Overhang		Yes	No	Overhang	, [Yes	No	Overha	ng [Yes	No	Overhan	g 🗌	Yes	☐ No
	Shading	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	☐ No
Solar Radiati Glazing	ion through			59	W/m²		2.9	99	W/m²		13.	62	W/m²		0.	00	W/m²
Average Abs	orptivity		0	.61			0.9	50			0.6	6			0.7	9	
RTTV _{Wall} at 6	each facade		10).54	W/m²		5.7	9	W/m		15.8	7	W/m²		9.1	8	W/m²
Overall RTT\	V _{Wall}								9.58	W	//m²						
Table 3											100000000000000000000000000000000000000						
								RTTV				e de la compa					
Roof Orienta		Alemana and a consequence							16								
Total Roof Ar		tial Units)						73.	77		m²						
Total Skyligh	t Area							N	I/A		m²						
Heat Conduction	Roof							3	.71	W	//m²						
Conduction	Skylight							١	I/A	٧	V/m²		,,				
Skylight	Glass Ty	pe	R	eflective	Are	a=		m²	SC=			VLT=		%	ER=		%
3 76	Tinted Area= m² SC= V/LT= % ER= %																
				lear	Are	-		m²	SC=	_		VLT=		%	ER=		%
	Double C	Slazino				_				Yes	☐ No						7.0
	External	-	-										15	C		_	
0.1-2 :::	7 10 0	2V 30)				-5440			1/4	Yes		-					
Solar Radiati									I/A	v	V/m²						
Average Abs		f)							.9								
Overall RTT	VRoof							3	.71	V	V/m²						

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	APP-156
1	Appendix A

	PARTHE	N T							of its use in	the devel	lopment.		•	9 0	A	ppen	dix A
Address: P	ROPOSE	HOUSE	DEVE	LOPME	NT AT T	UEN ML	IN TOW	N LOT	NO.490					BDI	Ref. No.		
	AI LAMI, N														BD 2 /	9048	/ 14
Building Type		Residential															
RTTV calcul	ated by	1. Regis		ofessional	Engineers												
	L	2. Archit	900000														
	l	3. Other	rs, please	specify:													
No. of Storey (Residential		4 Storeys	s (Hous	se 9)													
Table 1																	
				al as			Deeme	d to Sati	sfy RTTV _W	/all							
Facade Orie	ntation Facir	ng					1	Marie Marie									
Average Abs	orptivity																
Average Win	dow to Wall	Ratio										_					
Shading Coe	efficient of GI	azing															
Average Sha	ding Coeffic	ient of Faca	ade														
Visible Light	Transmittane	ce			%			%		%		%		%	%		%
External Ref	lectance			_	%	%		%		%		%		%	%		%
Table 2						Vicinity and											
Facade Orie	ntation							RTTV	Wall					l			
Facing			North	East			Souti	n East			Sout	h Wes	st		North	West	
Wall Orienta	tion Factor		0.9	24			1.	051			1.0	092			0.96	§5	
Total Externa (Residential		85.	92 m²	Window	to Wall	110.9	95 m²	Window	v to Wall	127	7.68 m²	Windo	ow to Wall	137.			w to Wall
Total Windov		15.	20 m²	=		20.3		=				=	60			Ratio	F.4
Heat	Opaque	15.	200	.23	W/m²	19720754157	2.	0.18	W/m²	76	5.00 m²	3/13	.60 W/m²	70.	.88 m² 1.38	0.	51 W/m²
Conduction	Wall		97	40.5			200					322	The San Free		200000		5,000,000,000
NAME - I	Window			.23	W/m²		0.:		W/m²	_		92	W/m²	_	0.70		W/m²
Window	Glass Type	Reflective	Area= m²	10272011	/LT= % ER= %		Area= m²		VLT= % ER= %		Area=	SC=	VLT= % ER= %	Reflective	The state of the s	C=	VLT= % ER= %
		\square	Area=	320 02025	/LT= 50 %		Area=		VLT= 50 %		Area=	SC=	VLT= 50%	\square			VLT= 50 %
		Tinted	15.20m² Area=		ER= 18 % /LT= %	1,441,000	20.35 m² Area=		ER= 18 %	2001200000	76.00m² Area=	0.43 sc=	ER= 18 %	Tinted	100000000000000000000000000000000000000	0.43 C=	ER= 18 %
		Clear	m²		ER= %		m²		ER= %	Clear	m²	30-	ER= %	Clear	m²		ER= %
	Double Glazing		☑ Yes	s 🔲 N	lo		☑ Yes	; []	No		☑ Yes		No		Yes		No
	External	Overhang	Г	Yes	No	Overhan	, F	Yes	No	Overhan	ng [Yes	No	Overhan	<u>а</u> П	Yes	No
	Shading	Sidefin	Г		✓ No	Sidefin		Yes	No	Sidefin		Yes	No	Sidefin		Yes	No
Solar Radiati	ion through			93	W/m²		3.4	95	W/m²		11.6		W/m²		8.9	37	W/m²
Average Abs	orptivity		5.8.	.51		-	- 22	50			0.5	100	34.60		0.5	V.1	100000
RTTV _{Wall} at 6	Control of the Control		5.4		W/m²		6.3		W/m²		14.0		W/m²		10.9		W/m²
Overall RTT			0.	10	1,000		0		9.67		/m²		******		10.8	,5	YY/III
Table 3									A					NAME OF THE OWNER O			
						No.		RTTV,	Roof								
Roof Orienta	tion Factor							2.	.16								
Total Roof Ar	rea (Residen	tial Units)						78.	.33	n	n²						
Total Skyligh	t Area							N	I/A	n	n²						
Heat	Roof								.71	W	/m²						
Conduction	Skylight								I/A	w	/m²						
Skylight	Glass Ty	ne		eflective	l Are	ea=		m²	202000000		/W.	VLT=		%	ER=		%
onyg	Olddo 13	po		nted		ea=		m²	7770474474			VLT-			ER=	00-16	2000
				ear		47750		m²						%			%
	Day No. 6	Nontro -		ear] An	ea=	_		3C≡			VLT=		%	ER=	-	%
	Double G	3012.01.007	-							Yes	∐ No						
	<u>External</u>	Shading	-							Yes	☐ No						
Solar Radiati	ion through (Slazing						N	I/A	W	/m²						
Average Abs	orptivity (roo	n)						0	.9								
Overall RTT\	Roof							3.	.71	W	/m²						

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

A. Personal Data

Purposes of Collection

- 1. The personal data provided by means of this form will be used by the Buildings Department for the following purposes:
 - (a) activities relating to the processing of your submission in this form;
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 - (c) facilitating communication between the Buildings Department and yourself.
- 2. It is obligatory for you to provide the information as required in the form. If you fail to provide the required data, delay may be caused in processing of your submission or even result in rejection of the application.

Classes of Transferees

3. The personal data you provided by means of this form may be disclosed to other government departments, bureaux, organisations or any persons for the purposes mentioned in paragraph 1 above.

Access to Personal Data

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B. Completion of Form

- 1. Please ensure that all relevant parts of the form are duly completed. Please enclose all supporting documents.
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C. Submission Methods

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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



TOTTV of Resident's Recreational Facilities BUILDINGS Summary Sheet

PNAP **APP-156** Appendix B

TAL LAMIL N.T. Replications Recreations Recreation	Address: PROPO	SED HOUSE D	EVELOPMENT AT TUE	N MUN TOWN LOT NO	490		I B	D Ref. No.
	TAI LAI	MI, N.T.						
Classification	Building Type / Use			ATTACAS CO.				
3. Others, please specify:	OTTV calculated by			nal Engineers				
Classification Pedium / Tower Tower			2. Architect				1	
Signate Sign			3. Others, please specif	y:				
132,977 132,	Classification				Podiu	m / Tower		
Dealth Floor Area S8,75 m²	No. of Storeys (RRF	9			1 Store	у		
Total External Wall Area (including windows) 58.83 m² Window to Wall Ratio = 0.30	Gross Floor Area				132.977	m²		
17.83	Usable Floor Area				58.75	m²		
No	Total External Wall A windows)	vea (including		58.8	33 m²	AUTHORN SECTION STATEMENT		
Comparison Com	Total Window Area			17.8	33 m²	= 0.3	30	
Average U-value Window	Total Skylight Area				N/A	m²		
Window	**Weighted	Opaque Wall			1.75	W/m²		
Skylight	Average b-value	Window			2.20	W/m²		
Reflective		Opaque Roof			0.40	W/m²		
		Skylight			N/A	W/m²		
Clear Area	Window	Glass Type	Reflective	Area= m²	SC=		VLT=	% ER= %
Double Glazing			☑ Tinted	Area= 17.83 m²	SC=	0.43	VLT= 50	% ER= 18 %
External Shading			Clear	Area= m²	SC=		VLT=	% ER= %
Sidefin Yes No		Double Glazing			Ø,	res No		
Glass Type		External Shading			Overhang	Yes No		
Tinted					Sidefin	Yes No		
Clear Area	Skylight	Glass Type	Reflective	Area= m²	SC=		VLT=	% ER= %
Double Glazing			Tinted	Area= m²	SC=		VLT=	% ER= %
External Shading			Clear	Area= m²	SC=		VLT=	% ER= %
Yes No		Double Glazing				res No		
Wall 0.48 Average Absorptivity Roof 0.25 Wall 1200.29 kg/m² Average Density Roof 1120 kg/m² OTTV _{RRF} Wall 17.91 W/m² Roof 1.17 W/m²		External Shading				res No		
Wall 0.48 Average Absorptivity Roof 0.25 Wall 1200.29 kg/m² Average Density Roof 1120 kg/m² OTTV _{RRF} Wall 17.91 W/m² Roof 1.17 W/m²						res No		
Absorptivity Roof 0.25 "Weighted Average Density Roof 1200.29 kg/m² Roof 1120 kg/m² DTTV _{RRF} Wall 17.91 W/m² Roof 1.17 W/m²	**Weighted	Wall						
Roof 1120 kg/m²	Absorptivity	Roof			0.25			
Roof	**Weighted	Wall			1200.29	kg/m²		
Roof 1.17 W/m²		Roof			1120	kg/m²		
	OTTV _{RRF}	Wall			17.91	W/m²		
Overall Average 10.48 Wim²		Roof			1.17	W/m²		
10.40		Overall Average			10.48	W/m²		

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

** Weighted by area

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

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