Appendix E – RTTV Summary Sheet (PNAP APP-156)

RTTV Summary Sheet

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Address:	Residential Deve	lopment at I	Lo Fai Road	l, Tai Po,	New Terr	itories N1	L229 &223	(2-9, 15-22 \	/illa Aven	ue) (With	sunshadi	ing)						BD Ref. No		BD 2/90	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify	:															
No. of Storeys		3																			
Toble 1		5																			
Table 1									- C-+	- C . D T 1											
		1						eemea t	o sati	STY KI	v _{Wall}	1									
Facade Orientation Facing				N					Ł					5					W		
Average Absorptivity				0.37					0.37				().37				().37		
Average Window to Wall R	atio			0.45					0.03				().57				(0.00		
Shading Coefficient of Glaz	ing			0.46					0.46				().46				(0.46		
Average Shading Coefficier	nt of Facade			0.45					0.46				().37					1.00		
Visible Light Transmittance	: (%)	1		53					53					53					53		
External Reflectance (%)				16					16					16					16		
Table 2		•																			
										(all											
Eacodo Oriontation							1			dli											
Facing				Ν					Е					S					W		
				0.70					072				0	075				1	121		
Wall Orientation Factor			(0.50	0.79	Minday	u to Mall		150.50		Minday	te Mall		0	.975	Minday	te Mall	102.50	1	.131	Minday	v to Mall
Area (Residential Units)			67.57	m-	Ra	atio		153.53	m	Ra	tio waii		67.18	m-	Ra	tio waii	102.50		m	Ra	atio
,																					
Total Window Area			30.18	m²	-	0.45		4.55	m²	=	0.03		38.44	m²	=	0.57	0.00		m²	=	0.00
Heat	Opaque	1	1.8	7		W/m²		4.45			W/m²		1.78			W/m²		4.84			W/m²
Conduction	Wall																				
	Window		0.3	9		W/m ²		0.04			W/m ²		0.62			W/m ²		0.62			W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%)=	
			(m ²⁾ =				ļ														
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=	
		Tisted	(m ⁻ '=		50(0()		Tinted			50(0()		The total			50(0()		There d			50(0()	
			Area	sc-	ER(%)=	E 2		A	sc-	ER(%)=	E 2	Tinted	A	sc-	ER(%)=	E 2	Tinted	A	sc-	ER(%)=	E 2
			$(m^{2})=$	50-	VE1(/0)-	55		Area (m ·=	50-	VE1(/0)=	55		Area (m ·=	50-	VE1(70)=	55		Area (m ·=	50-	VE1(70)=	
		Clear	30.18	0.46	ER(%)=	16	Tinted	4.55	0.46	ER(%)=	16	Tinted	38.44	0.46	ER(%)=	16	Tinted	0.00	0.46	ER(%)=	16
	Double	\checkmark	Yes		No		\checkmark	Yes		No		\checkmark	Yes		No		\checkmark	Yes		No	
	Glazing																				
	External	Overhang		Yes		No	Overhang	1 U	Yes	\checkmark	No	Overhang		Yes		No	Overhang		Yes	\checkmark	No
	Shaung	Sidefin		Yes		No	Sidefin		Yes		No	Sidefin		Yes	\checkmark	No	Sidefin		Yes		No
Solar Radiation through			6.6	5		W/m ²		0.61			W/m ²		8 66			W/m ²		8 66			W/m ²
Glazing			0.0	<u> </u>		,		0.01			,		0.00			,		0.00			,
Average Absorptivity			0.3	7				0.37	1				0.37					0.37			
RTTVWall at each facade			8 9	1		W/m²		5 10)		W/m²		11.0	,		W/m ²		14.1	2		W/m ²
			0.5	-		,		5.10	,		,		11.0			,		14.1	_		,
Overall RTTVWall											9.15	W/m²									
Table 3																					
									RTTV _R	oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										0170	2.10	2								
Total Skylight Area											04.70		2								
Heat	a (0.00		m*								
Conduction	Root										1.00		W/m*								
Cludiaba	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflecti	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes	\checkmark	No								
	External Shading										Yes		No								
Solar Radiation	n through Glazing										0.00	W/m²									
Average Abs	sorntivity (roof)		İ									0.37									

1.60 W/m²

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

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof

RTTV Summary Sheet

Address:	Residential Deve	elopment at l	o Fai Road	l, Tai Po,	New Terri	tories N1	L229 &223 (23-30 Villa	Avenue) (with sun	hading)							BD Ref. No) .	BD 2/90	160/17
Building Type:		Residential																			
RIIV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	e specify :																
No. of Storeys (Residential Units)		3																			
Table 1										-											
							De	emed t	o Sati	sty RT	"V _{Wall}										
Facade Orientation Facing				S					E					Ν					W		
Average Absorptivity				0.37					0.37				C).37					0.37		
Average Window to Wall R	atio			0.45					0.03				C).55					0.00		
Shading Coefficient of Glaz	ing			0.46					0.46				C).46					0.46		
Average Shading Coefficier	it of Facade			0.41					0.46				0).45					1.00		
Visible Light Transmittance	(%)			53					53					53					53		
External Reflectance (%)				16					16					16					16		
Table 2																					
				RTIV _{Wall} S E N 0.975 1.072 0.79 $7m^2$ Window to Wall Ratio 153.53 m² Window to Wall Ratio 67.18 m² Window to Wall Ratio 102.50 47 m² = 0.45 4.30 m² = 0.03 36.63 m² = 0.55 0.00 29 W/m² 4.46 W/m² 1.54 W/m² 49																	
Facade Orientation				N Window to Wall N 0.975 1.072 0.79 57 m² Window to Wall 153.53 m² Window to Wall Ratio 67.18 m² Window to Wall 102.51 47 m² = 0.45 4.30 m² = 0.03 36.63 m² = 0.55 0.00 .29 W/m² 4.46 W/m² 1.54 W/m² 1.54															W		
Facing				S L N 0.975 1.072 0.79 7.57 m² Window to Wall Ratio 153.53 m² Window to Wall Ratio 67.18 m² Window to Wall Ratio 102.5 0.47 m² = 0.45 4.30 m² = 0.03 36.63 m² = 0.55 0.00 2 20 W/m² 4.46 W/m² 1.54 W/m²																	
Wall Orientation Factor			1	S E N 0.975 1.072 0.79 7.57 m² Window to Wall Ratio 153.53 m² Window to Wall Ratio 67.18 m² Window to Wall Ratio 102.5 1.47 m² = 0.45 4.30 m² = 0.03 36.63 m² = 0.55 0.00 2.29 W/m² 4.46 W/m² 1.54 W/m² 0.49 W/m² 0.03 w/m² 0.48 w/m² SC= VLT (%)= Area (m²)= SC= VLT (%)= Area (m²)= SC= VLT (%)= Image: SC= VLT (%)=]	1.131	1	
Total External Wall Area (Residential Units)			67.57	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $															mŕ	Window	v to Wall atio
, , , , , , , , , , , , , , , , , , , ,																					
Total Window Area			30.47	m²	=	0.45		4.30	m²	=	0.03		36.63	m²	=	0.55	0.00		m²	=	0.00
Heat	Opaque		2.2	9		W/m²		4.46	,		W/m²		1.54			W/m²		4.84	1		W/m²
Conduction	Wall																				
	Window		0.49	9		W/m²		0.03			W/m²		0.48			W/m²		0.48	3		W/m²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=	-
		Reflective	(11) =		ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	=
			(m ²⁾ =				ł			<u> </u>		ł									1
		Tinted	A.r.o.o.	sc-	ER(%)=	50	Tinted	. , 21	sc-	ER(%)=	5.2	Tinted	. (2)	sc-	ER(%)=		Tinted		50-	ER(%)=	50
			$(m^{2})=$	3C-	VLI(/0)-	53	V	Area (m '=	3C-	VLI(/0)-	53		Area (m '=	SC-	VLI(/0)-	53		Area (m '=	SC-	VL1(/0)-	53
		Clear	30.47	0.46	ER(%)=	16	Clear	4.30	0.46	ER(%)=	16	Clear	36.63	0.46	ER(%)=	16	Clear	0.00	0.46	5 ER(%)=	16
	Double		Yes	.4.7 -0.43 4.30 $= 0.05$ 50.05 $= 0.55$ 0.00 2.29 W/m ² 4.46 W/m ² 1.54 W/m ² .4.9 W/m ² 0.03 W/m ² 0.48 W/m ² .4.9 W/m ² 0.03 W/m ² 0.48 W/m ² .5C= VLT (%)= Area (m ² = SC= VLT (%)= Reflective ER(%)= Reflective .5C= VLT (%)= Area (m ² = SC= VLT (%)= Area (m ² = SC= VLT (%)= ER(%)= Reflective .5C= VLT (%)= Area (m ² = SC= VLT (%)= ER(%)= Tinted ER(%)= Tinted .5C= VLT (%)= 53 Area (m ² = SC= VLT (%)= SC= SC= VLT (%)= SC=														Yes		No	
	Glazing			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																	
	External	Queshang		Vaa		No	Quarkana		Vaa		No	Quarhang		Vaa		No	Ouerhang		Vaa		No
	Shading	Cidefie		Vee		No	Cidefin		Vee		No	Cidefie		Vee		No	Cidafia		Vee		No
Solar Radiation through		Sidelin		162		INU	Sidelin		162		INU	Siderin		162		NU	Siderin		162		NU
Glazing			7.5	2		W/m²		0.58	3		W/m²		8.09			W/m²		8.09	Э		W/m²
Average Absorptivity			0.3	7				0.37	,				0.37					0.37	7		
RTTVWall at each facade			10.3	80		W/m²		5.07	,		W/m²		10.10)		W/m²		13.4	1		W/m²
Overall RTTVWall											9.03	W/m ²									
Table 3		1										,									
Roof Orientation Factor			1						N	01		2.16									
Total Roof Area (Residentia	al Units)										84.80	2.10	m ²								
Total Skylight Area	,										0.00		m ²								
Heat	Roof										1.60		W/m ²								
Conduction	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflectiv	ve			Area=		-	0.00	m ²	sc=		-	VI T=		%	FR=		%
				Tinted				Area=		_		m ²	sc=		_	VIT=	_	%	FR=		%
				Clear				Aroa=				m ²	sc=			VI T-	-	0/	EP-		-/0 0/
	Double Clasica			21041				Al Ca=			Vas		No.		-	VL1=	-	70	LUV=		/0
	External Shading	,									1 CS		No								
Solar Radiation	through Glazing	r									0.00	W/m ²									
Average Abs	orptivity (roof)										0.00	0.37									
Overall	RTTVRoof										1.60	W/m²									
- · · · · ·											0										

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

																		1			
Address:	Residential Deve	lopment at l	lo Fai Road	l, Tai Po,	New Terri	tories NT	L229 &223 (2-11 Lucca	Avenue) (with sun	hading)							BD Ref. No		BD 2/906	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	e specify :																
No. of Storeys (Residential Units)		3																			
Table 1									- 6 - 4	6 DT											
		1					De	emea t	o Sati	бту к і	V _{Wall}										
Facade Orientation Facing				NE					SE					SW .					NVV		
Average Absorptivity				0.37					0.37					0.37					0.37		
Average Window to Wall R	atio			0.57					0.02				(1.55					0.33		
Shading Coefficient of Glaz	ing			0.46					0.46					0.46					0.46		
Average Shading Coefficien	t of Facade			0.40					0.42				(0.42				(0.45		
Visible Light Transmittance	(%)			53					53					53					53		
External Reflectance (%)				16			ļ		16					16			ļ		16		
Table 2									DTT\/												
		1		RTTV _{wall} NE SE SW 0.924 1.051 1.092 6^{m^2} Window to Wall Ratio 182.18 m^2 Window to Wall Ratio 88.68 m^2 Window to Wall Ratio 3^{m^2} $= 0.57$ 3.21 m^2 $= 0.02$ 48.88 m^2 $= 0.55$ 70 W/m^2 4.42 W/m^2 2.10 W/m^2 59 W/m^2 0.02 W/m^2 0.67 W/m^2																	
Facade Orientation				NE SE SW 0.924 1.051 1.092 6 m² Window to Wall Ratio 182.18 m² Window to Wall Ratio 88.68 m² Window to Wall Ratio 3 m² = 0.57 3.21 m² = 0.02 48.88 m² = 0.55 70 W/m² 4.42 W/m² 2.10 W/m²														j	NW		
				NE SE SW 0.924 1.051 1.092 66 m² Window to Wall Ratio 182.18 m² Window to Wall Ratio 88.68 m² Window to Wall Ratio 63 m² = 0.57 3.21 m² = 0.02 48.88 m² = 0.55 1.70 W/m² 4.42 W/m² 2.10 W/m²															065		
Total External Wall			99.66	NE SE SW 0.924 1.051 1.092 3.66 m^2 Window to Wall Ratio 182.18 m² Window to Wall Ratio 88.68 m² Window to Wall Ratio 0.63 m² = 0.57 3.21 m² = 0.02 48.88 m² = 0.55 1.70 W/m² 4.42 W/m² 2.10 W/m² 0.59 W/m² 0.02 W/m² 0.67 W/m² SC= VLT (%)= Area (m²= SC= ER(%)= VLT (%)= Area (m²= SC= ER(%)= VLT (%)= ER(%)= Reflective														152.94	m²	Window	v to Wall
Area (Residential Units)			00.00		Ra	tio		102.10		Ra	tio		00.00		Ra	itio		155.04		Ra	itio
Total Window Area			50.63	m²	=	0.57		3.21	m²	=	0.02		48.88	m²	=	0.55		50.39	m²	= !	0.33
Heat Conduction	Opaque Wall		1.70	0		W/m²		4.42			W/m²		2.10			W/m²		4.48			W/m²
	Window		0.5	9		W/m²		0.02	!		W/m²		0.67			W/m²		0.60)	+	W/m²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	:
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=			Area (m ²⁾ =	SC=	VLT(%)=	
			(m²)=		59(0/)										55 (6/)						
			Area	SC=	ER(%)=	52		Area (m ²⁾ -	SC=	ER(%)=	53		Area (m ²⁾ -	SC=	ER(%)= VIT(%)=	52		Area (m ²⁾ -	SC=	ER(%)=	52
			(m ²⁾ =			55		Area (m =			55		Area (m =			55		Area (m =			55
		Clear	50.63	0.46	ER(%)=	16	Clear	3.21	0.46	ER(%)=	16	Clear	48.88	0.46	ER(%)=	16	Clear	50.39	0.46	i ER(%)=	16
	Double Glazing		Yes		No			Yes		No			Yes		No			Yes		No	
	Eutornal																				
	Shading	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No
Solar Radiation through		Sidefin		Yes		NO	Sidefin		Yes		NO	Sidefin		Yes		NO	Sidefin		Yes		NO
Glazing			8.9	2		W/m²		0.33	8		W/m²		10.64	Ļ		W/m²		10.0	1		W/m²
Average Absorptivity			0.3	7				0.37	7				0.37					0.37	,		
RTTVWall at each facade			11.2	20		W/m²		4.76	5		W/m²		13.41			W/m²		15.0	9		W/m²
Overall RTTVWall											10.46	W/m²									
Table 3																					
								I	RTTV _R	oof											
Roof Orientation Factor												2.16						-			
Total Roof Area (Residentia	ll Units)										154.71		m²								
Total Skylight Area											2.10		m²								
Heat	Roof										1.58		W/m²								
Conduction	Skylight										0.02		W/m²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		2.10		m²	SC=	0.	46	VLT=	53	%	ER=	16	%
	Double Glazing									\checkmark	Yes		No								
	External Shading	:									Yes	\checkmark	No								
Solar Radiation	n through Glazing										0.55	W/m²									
Average Abs	orptivity (roof)											0.37									
Overall	RTTVRoof										2.07	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Address:	Residential Deve	lopment at l	lo Fai Road	l, Tai Po,	New Terri	tories NT	L229 &223 (1 Lucca Ave	nue) (wit	h sunsha	ding)							BD Ref. No).	BD 2/906	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify :																
No. of Storeys (Residential Units)		3																			
Table 1									- 6 - 4'	-	F) /										
		1					De	emea t	o Satis	sту к і	I V _{Wall}										
Facade Orientation Facing				NE					NW					SW					SE		
Average Absorptivity				0.37				().37				0).37					0.37		
Average Window to Wall R	atio			0.49				().16				0).38					0.07		
Shading Coefficient of Glaz	ing			0.46				().46				C).46					0.46		
Average Shading Coefficien	t of Facade			0.40				(0.40				C).41					0.42		
Visible Light Transmittance	(%)			53					53					53					53		
External Reflectance (%)				16					16					16					16		
Table 2																					
		-							RTTVw	all											
Facade Orientation				NE NW SW 0.924 0.965 1.092 i3 m² Window to Wall Ratio 173.43 m² Window to Wall Ratio 176.85 m² Window to Wall Ratio 189.1 77 m² = 0.49 28.25 m² = 0.16 66.95 m² = 0.38 12.42 02 W/m² 3.46 W/m² 2.90 W/m²															SE		
Facing				0.924 0.965 1.092 1.63 m^2 Window to Wall Ratio 173.43 m^2 Window to Wall Ratio 176.85 m^2 Window to Wall Ratio 189.1 Ratio 3.77 m^2 $= 0.49$ 28.25 m^2 $= 0.16$ 66.95 m^2 $= 0.38 \text{ 12.42}$															9E		
Wall Orientation Factor				NE NW SW 0.924 0.965 1.092 191.63 m^2 Window to Wall Ratio 173.43 m^2 Window to Wall Ratio 176.85 m^2 Window to Wall Ratio $189.$ 93.77 m^3 $= 0.49$ 28.25 m^2 $= 0.16$ 66.95 m^2 $= 0.38$ 12.4 2.02 W/m ² 3.46 W/m ² 2.90 W/m ² 0.50 w/m^2 0.18 w/m^2 0.466 w/m^2														1	.051		
Total External Wall			191.63	m²	Window	to Wall		173.43	m²	Window	v to Wall		176.85	m²	Window	v to Wall	189.11		m²	Window	v to Wall
Area (Residential Onits)					٢.d	10				n.c	itio				Re	10				Rd	uo
Total Window Area			93.77	m²	=	0.49		28.25	m²	-	0.16		66.95	m²	=	0.38	12.42		m²	= 1	0.07
Heat	Opaque		2.0	2		W/m ²		3.46			W/m ²		2.90			W/m ²		4.20)		W/m ²
Conduction	Wall			-																	
	Window		0.5)		W/m ²		0.18			W/m ²		0.46			W/m ²		0.08	3		W/m ²
Window	Glass Type		Area	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=	-
		_	(m ²⁾ =				l					[[
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):	-		Area (m ²⁾ =	SC=	VLT (%)=	=		Area (m ²⁾ =	SC=	VLT (%)=	-
		Tinted			FR(%)=		Tinted			FR(%)=		Tinted			FR(%)=		Tinted			FR(%)=	
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53
			(m ²⁾ =				ļ					ļ									
		Clear	93.77	0.46	ER(%)=	16	Clear	28.25	0.46	ER(%)=	16	Clear	66.95	0.46	ER(%)=	16	Clear	12.42	0.46	ER(%)=	16
	Double		Yes	$\begin{array}{c c c c c c c c c c c c c c c c c c c $														Yes		No	
	Giazing			$\begin{array}{c c c c c c c c c c c c c c c c c c c $																	
	External	Overhang	\checkmark	Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		Νο
	Shading	Sidefin		Yes		No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through				-																	
Glazing			7.5	5		W/m²		2.65			W/m²		7.01			W/m²		1.20)		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.37	7		
RTTVWall at each facade			10.0			14/2		c 20			14/12		10.2	7		14/2		E 45	7	-	M/2
			10.0	18		w/m-		0.28			w/m-		10.37	,		w/m-		5.47	, 		w/m-
Overall RTTVWall											8.06	W/m²									
Table 3																					
								F	RTTVR	oof											
Roof Orientation Factor			1									2.16									
Total Roof Area (Residentia	l Units)										221.89	2.10	m ²								
Total Skylight Area											6.54		m ²								
Heat	Roof										1.55		W/m ²					-			
Conduction	Skylight										0.04		W/m ²								
Skylight	Glass Type			Reflectiv	IP.			Aroo=		-	0.04	m ²	sc-		_	V/I T-		0/	EP-		٥/
.,	, ,			Tinted				Area-		-		m ²	SC=		-	VL1=	-	70	CR-		70
				Clear				Ared=		6.54			SC=	0	-	VLI=		70	ER=	16	70
	Daubla Charlin			Cicdi				Агеа=		0.34	V		N-	0.	40	VLI=	33	70	EK=	10	70
	Double Glazing										1 CS		INO N-								
	External Shading										1 00	W//m ²	INO								
Solar Radiation	i uirough Glazing										1.20	0.27									
Average Abs	orptivity (roof)										1 00	0.37									
Overall	кıTVRoof		1								1.98	vv/itt=									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

									-												
Address:	Residential Deve	lopment at l	o Fai Road	l, Tai Po,	New Terri	tories NT	1229 &223 (1 Villa Aven	ue Guest	House B	ock) (wit	h sunshadin	g)					BD Ref. No).	BD 2/90	60/17
Building Type: RTTV calculated by		Residential																			
KTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
No. of Storoug			3. Others	s, please	specify :																
(Residential Units)		2																			
Table 1							De	omod +	o Coti	-6, DT	- 1										
		r –		NE				enieu i		ы укт	♥ Wall	1		514/							
Facade Orientation Facing				INE					3E					27					0.27		
Average Absorptivity				0.57					0.57										0.57		
Average Window to Wall R	atio			0.04					0.21					1.20					0.49		
Shading Coefficient of Glaz	ing			0.40					0.40					1.40					0.40		
Average Shading Coefficien	t of Facade			F.2					5.40				, c	F.35					F.2		
Visible Light Transmittance	(%)			16					16					16					16		
Table 2		ļ		10			ļ		10			<u> </u>		10			<u> </u>		10		
									RTTV												
Eacade Orientation		<u> </u>		NE SE SW 0.924 1.051 1.092 47 m² Window to Wall Ratio 32.72 m^2 Window to Wall Ratio 62.37 m^2 Window to Wall Ratio 73 m² = 0.04 6.76 m^2 = 0.21 12.55 m^2 = 0.20 3.80 W/m² 3.57 W/m² 3.73 W/m² 0.04 $w/m²$ 0.24 $w/m²$ 0.24																	
Facing				NE SE SW 0.924 1.051 1.092 4.47 m² Window to Wall Ratio $32.72 m²$ Window to Wall Ratio $62.37 m²$ Window to Wall Ratio 1.73 m² = 0.04 $6.76 m²$ = 0.21 $12.55 m²$ = 0.20 3.80 W/m² 3.57 W/m² 3.73 W/m²]	NW		
Wall Orientation Factor				INE SE SW 0.924 1.051 1.092 44.47 m^2 Window to Wall Ratio 32.72 m^2 Window to Wall Ratio 62.37 m^2 Window to Wall Ratio 1.73 m^2 $= 0.04$ 6.76 m^2 $= 0.21$ 12.55 m^2 $= 0.20$ 3.80 W/m ² 3.57 W/m ² 3.73 W/m ²														().965		
Total External Wall			44.47	m ²	Window	to Wall		32.72	m²	Windov	to Wall		62.37	m ²	Window	to Wall		40.43	m²	Window	v to Wall
Area (Residential Units)					Ra	tio				Ra	tio				Ra	tio				Ra	itio
Total Minday, Area			1 73	m²	-	0.04		676	m²	-	0.21		12.55	m²		0.20	<u> </u>	10.64	m²	-	0.40
Heat	000000		3.8	0		0.04 W/m ²		3.57	,		0.21 W/m ²		3.73		-	0.20 W/m²		2.12	,	<u> -</u>	0.49 W/m ²
Conduction	Wall		5.0	0				5.51					5.15					2.12	·		
	Window		0.0	4		W/m ²		0.24			W/m ²		0.24			W/m ²		0.52	2		W/m ²
Window	Glass Type		Area	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%)=	=
			(m ²⁾ =																		
		Reflective		66	ER(%)=		Reflective	21	66	ER(%)=		Reflective	2)	66	ER(%)=		Reflective	2)	66	ER(%)=	
			$(m^{2})=$	5C=	VLI (70)=			Area (m '=	5C=	VLI (%)-			Area (m '=	5C=	VLI (76)=	•		Area (m '=	SC=	VLI (%)=	
		Tinted	ľ		ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
		\checkmark	Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53
		Clear	(m ²⁾ =	0.46	5.5 (0/)	10	Clear	6.70	0.46	== (a()	10	Clear	12.55	0.46	55 (0/)	10	Clear	10.04	0.46		10
	Double		Yes	0.40	ER(%)=	10		Yes	0.40	ER(%)=	10		Yes	0.40	ER(%)=	10		Yes	0.40	ER(%)=	10
	Glazing			$\begin{array}{c c c c c c c c c c c c c c c c c c c $																	
				$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																	
	External	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No
	Silading	Sidefin		Yes	V	No	Sidefin	V	Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes		No
Solar Radiation through			0.6	9		W/m²		4.17	,		W/m²		3.20			W/m²		7.96	5		W/m²
Average Absorptivity			0.3	7				0.37	,				0.37					0.37	7		
RTTVWall at each facade			0.5	,				0.57					0.57					0.57			
			4.5	3		W/m²		7.98	3		W/m²		7.17			W/m²		10.6	1		W/m²
Overall RTTVWall											7.44	W/m²									
Table 3												,									
Roof Orientation Factor			1						N	01		2.16									
Total Roof Area (Residentia	l Units)										13 57	2.10	m ²								
Total Skylight Area	,										0.00		m ²								
Heat	Roof										1.60		W/m ²								
Conduction	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflectiv	/e			Area=		-	0.00	m²	sc=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes	\checkmark	No								
	External Shading	:									Yes	\checkmark	No								-
Solar Radiation	h through Glazing										0.00	W/m²									
Average Abs	orptivity (roof)											0.37									
Overall	RTTVRoof										1.47	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

																		1			
Address:	Residential Deve	lopment at I	o Fai Road	l, Tai Po,	New Terri	tories NT	L229 &223 (1 Villa Aven	ue Main	Block) (w	th sunsh	ading)						BD Ref. No).	BD 2/90	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify :																
No. of Storeys		2																			
(Residential Units)		3																			
Table 1		•																			
							De	emed to	o Satis	sfy RT	V _{Wall}										
Facade Orientation Facing				Ν					E					S					W		
Average Absorptivity				0.37				().37				C).37					0.37		
Average Window to Wall R	atio			0.44				().27				C).68					0.22		
Shading Coefficient of Glaz	ng			0.46				().46				C	00.00					0.46		
Average Shading Coefficien	t of Facade			0.45				().37				().35					0.41		
Visible Light Transmittance	(%)			53					53					53					53		
External Reflectance (%)	()			16					16					16					16		
Table 2		ł					!					Į					Į				
								F	RTTV												
Facade Orientation										an											
Facing				Ν					E					S					W		
Wall Orientation Factor			$\begin{array}{c c c c c c c c c c c c c c c c c c c $															1	.131		
Total External Wall			N E S 0.79 1.072 0.975 163.89 m² Window to Wall Ratio 164.51 m² Window to Wall Ratio 142.77 m² Window to Wall Ratio 160.2 71.65 m² = 0.44 44.54 m² = 0.27 96.47 m² = 0.68 35.15 1.90 W/m² 3.34 W/m² 1.35 W/m² 0.38 w/m² 0.32 w/m² 0.73 w/m² 0.38 w/m² 0.32 w/m² 0.73 w/m²														160.25		m ²	Window	v to Wall
Area (Residential Units)			IN E S 0.79 1.072 0.975 163.89 m² Window to Wall Ratio 164.51 m² Window to Wall Ratio 142.77 m² Window to Wall Ratio 160.2 71.65 m² = 0.44 44.54 m² = 0.27 96.47 m² = 0.68 35.15 1.90 W/m² 3.34 W/m² 1.35 W/m² 0.38 W/m² 0.32 W/m² 0.73 W/m² $win²$																	Ra	itio
			71.65	m ²		0.44		11.51	m ²		0.07		06.47	m ²		0.70	25.15		m ²		0.00
Total Window Area			/1.65	2	=	0.44		44.54		-	0.27		96.47		=	0.68	35.15	0.45		=	0.22
Conduction	Opaque		1.90)		w/m-		3.34			vv/m-		1.35			w/m-		3.47			vv/m-
	Wdll		0.0	-				0.00					0.50					0.00			
Marked and	Window	_	0.38	5	N T (0()	W/m²		0.32	66	1 II T (0()	W/m²		0.73	66	h = 100	W/m²	_	0.28	s Icc	N T (0()	W/m²
window	Glass Type		Area (m ²⁾ =	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%):			Area (m ⁻ '=	SC=	VLI (%)=	-		Area (m ⁻ '=	SC=	VLI (%)=	
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	:
			0.79 1.072 0.975 163.89 m^2 Window to Wall Ratio 164.51 m^2 Window to Wall Ratio 142.77 m^2 Window to Take to Window to Take to Window to Take to Window to Take to Window to Wall Ratio 71.65 m^2 $= 0.44$ 44.54 m^2 $= 0.27$ 96.47 m^2 $= 0.60$ 1.90 W/m ² 3.34 W/m ² 1.35 W/m 0.38 W/m ² 0.32 W/m ² 0.73 W/m 0.38 W/m ² 0.32 W/m ² 0.73 W/m 0.44 cm^{2} SC= VLT (%)= Area (m ² = SC= VLT (%)= ER(%)=																	<u> </u>	
		Tinted	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														Tinted		sc-	ER(%)=	50
			IO3.65 m. Mindow 6 veni Ratio IO4.51 m. Window 6 veni Ratio IO4.21 m. Window 6 veni Ratio IO4.21 m. 71.65 m ² = 0.44 44.54 m ² = 0.27 96.47 m ² = 0.68 35.15 1.90 W/m ² 3.34 W/m ² 1.35 W/m ² 0.38 W/m ² 0.32 W/m ² 0.73 W/m ² .038 W/m ² 0.32 W/m ² Area (m ² = C= VLT (%)= .038 W/m ² Area (m ² = SC= VLT (%)= Area (m ² = SC= VLT (%)= Reflective ER(%)= Reflective ER(%)= Reflective ER(%)= Tinted <															Area (m ⁻ '=	SC=	VLI(70)=	53
		Clear	71.65 m² = 0.44 44.54 m² = 0.27 96.47 m² = 1.90 W/m² 3.34 W/m² 1.35 0.38 W/m² 0.32 W/m² 0.73 $m²_{=}$ SC= VLT (%)= Area (m²= SC= VLT (%)= $m²_{=}$ Reflective ER(%)= Reflective ER(%)= ER(%)= $m²_{=}$ Area m²= SC= VLT (%)= Area (m²= SC= VLT (%)= $m²_{=}$ Reflective ER(%)= Tinted Area (m²= SC= VLT (%)= $m²_{=}$ SC= VLT (%)= 53 I Area (m²= SC= VLT (%)= $m²_{=}$ SC= VLT (%)= 53 I Area (m²= SC= VLT (%)= $m²_{=}$ T.65 0.46 ER(%)= 16 Clear 44.54 0.46 ER(%)= 16 Clear 96.47 0.00 ER(%)= Vers No V Yes No Ves No Ves No														Clear	35.15	0.46	ER(%)=	16
	Double		71.65 m² = 0.44 44.54 m² = 0.27 96.47 m² = 0.68 35.15 1.90 W/m² 3.34 W/m² 1.35 W/m² 0.38 w/m² 0.32 w/m² 0.73 w/m² Area m²= ER(%)= Area (m²= SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= Reflective Area m²= ER(%)= Reflective ER(%)= Reflective ER(%)= Reflective Area m²= SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= Reflective Area m²= SC= VLT (%)= Area (m²= SC= VLT (%)= SC= VLT (%)= SC= Mra SC= VLT (%)= 53 Area (m²= SC= VLT (%)= 53 Inted Area M²= SC= VLT (%)= 53 Area (m²= SC= VLT (%)= 53 Inted Area M²= SC= VLT (%)= 53 V Area (m²= SC= VLT (%)= 53 Inted Im²= SC= VLT (%)= 16															Yes		No	
	Glazing		71.65 m² = 0.44 44.54 m² = 0.27 96.47 m² = 0.68 35.1 1.90 W/m² 3.34 W/m² 1.35 W/m² 1.35 0.38 W/m² 0.32 W/m² 0.73 W/m² 1.35 m^{3} ER(%)= Area (m²= SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= ER(%)= ER(%)= ER(%)= ER(%)= ER(%)= ER(%)= ER(%)= Tinted Area (m²= SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= Tinted ER(%)=																		
	Eutornal																				
	Shading	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No
Solar Radiation through	-	Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No
Glazing			6.50	D		W/m²		4.44			W/m²		9.73			W/m²		4.26	5		W/m²
Average Absorptivity			0.3	7				0.37					0 37					0.37	7		
RTTVWall at each facade				-																	
			8.78	8		W/m²		8.11			W/m²		11.82	2		W/m²		8.00)		W/m²
Overall RTTVWall							ļ				9.09	W/m ²									
Table 3											5.05	•••,									
								6													
Deef Orientation Faster			<u> </u>					г	VII V Ro	oof											
Total Deef Area (Deeidentia	111-24-3											2.16									
Total Roof Area (Residentia	i Units)										156.41		m²								
Total Skylight Area											0.00		m²								
Conduction	Roof										1.60		W/m²								
Claution a	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=				m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading	1									Yes		No								
Solar Radiation	through Glazing		L								0.00	W/m²									
Average Abs	orptivity (roof)											0.37									
Overall	RTTVRoof										0.88	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

			5.10																		00/17
Address:	Residential Deve	lopment at I	Lo Fai Road	l, Tai Po,	New Terri	tories N1	1229 & 223 (10-12 Villa A	Avenue) (with sun	hading)							BD Ref. No		BD 2/90	60/17
Building Type:		Residential																			
KTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
No. of Chorous			3. Others	s, please	e specify :																
(Residential Units)		3																			
Table 1							D.			6 DT											
		1					De	emea t	o satis	ыу кт	v _{Wall}			6							
Facade Orientation Facing				N					E					5					W		
Average Absorptivity				0.37				().37				().37					0.37		
Average Window to Wall R	atio			0.39				(0.02				().61					0.02		
Shading Coefficient of Glaz	ing			0.46				().46).46					J.46		
Average Shading Coefficier	t of Facade			0.45				().43				().37).43		
Visible Light Transmittance	(%)			53					53					53					53		
External Reflectance (%)		ļ		16					16					16					16		
Eacado Oriontation				N E S 0.79 1.072 0.975 6.24 m^2 Window to Wall Ratio 134.51 m^2 Window to Wall Ratio 86.24 m^2 Window to Wall Ratio 143.6 3.27 m^2 $= 0.39$ 2.58 m^2 $= 0.02$ 52.55 m^2 $= 0.61 2.58$ 2.08 W/m ² 4.50 W/m ² 1.63 W/m ² 0.34 W/m ² 0.02 $w/m2$ 0.66 $w/m2$																	
Facing			N E S 0.79 1.072 0.975 86.24 m^2 Window to Wall Ratio 134.51 m² Window to Wall Ratio 86.24 m² Window to Wall Ratio 143.6 2.58 m² 33.27 m^2 = 0.39 2.58 m² = 0.02 52.55 m² = 0.61 2.58 2.08 W/m² 4.50 W/m² 1.63 W/m²																W		
Wall Orientation Factor			$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$															1	.131		
Total External Wall Area (Residential Units)			86.24	m²	Window Ra	/ to Wall tio		134.51	m²	Windov Ra	to Wall tio		86.24	m²	Windov Ra	v to Wall itio	143.67		m²	Windov Ra	w to Wall atio
Total Window Aroa			33.27	m²	-	0.30		2.58	m²		0.02		52 55	m²	_	0.61	2.58		m²	-	0.02
Heat	Opaque		2.0	8	ļ	W/m ²		4.50			W/m ²		1.63		ļ	W/m ²	2.50	4.75		<u></u>	W/m ²
Conduction	Wall		2.0					1150					1105								
	Window		0.34	4		W/m²	_	0.02			W/m²	_	0.66			W/m²	_	0.02		T	W/m²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m²'=	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²)=	SC=	VLT (%)=	=
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area (m ²⁾ -	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=	-
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
		\checkmark	Area	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53
		Clear	(m ²⁾ =	0.40		4.6	Clear	2.50	0.40		4.0	Clear		0.40		4.6	Cloar	2.50	0.40	<u> </u>	4.0
	Double		33.27 Yes	0.46	ER(%)=	16		2.58 Yes	0.46	ER(%)=	16		Yes	0.46	ER(%)=	16		2.58 Yes	0.46	ER(%)=	16
	Glazing		100	3.27 m² = 0.39 2.58 m² = 0.02 52.55 m² = 0.61 2.58 2.08 W/m² 4.50 W/m² 1.63 W/m² 0.34 w/m² 0.02 w/m² 0.66 w/m² 0.34 w/m² 0.02 w/m² 0.66 w/m² $=$ SC= VLT (%)= Area (m²= SC= VLT (%)= Reflective ER(%)= Reflective $=$ ER(%)= Tinted Area (m²= SC= VLT (%)= Inted ER(%)= Tinted $=$ SC= VLT(%)= 3.27 0.46 ER(%)= 1.65 No Ves No Sidefin Yes No Ves No No Ves </td <td>100</td> <td></td> <td></td> <td></td>														100			
	External	0		$\begin{array}{c c c c c c c c c c c c c c c c c c c $															Vee		Ne
	Shading	Cidofin		Voc		No	Cidofin		Voc		No	Sidofin		Voc		No	Sidofin		Voc		No
Solar Radiation through		Sidenii		-			Sidemi		103			Sidenn		105			Sidenn				
Glazing			5.7	6		W/m²		0.37			W/m²		9.12			W/m²		0.36	0		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.37	'		
RTTVWall at each facade			8.1	8		W/m²		4.89			W/m²		11.42	L		W/m²		5.14	L .		W/m²
Overall RTTVWall											6.84	W/m²									
Table 3																					
								F	RTTV _{RG}	oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	ll Units)										91.84		m²								
Total Skylight Area											0.00		m²								
Heat	Roof										1.60		W/m²								
Conduction	Skylight							-			0.00		W/m²						-		
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing		L							<u> </u>	Yes	<u> </u>	No								
	External Shading										Yes		No								
Solar Radiation	through Glazing										0.00	W/m²									
Average Abs	orptivity (roof)										1.00	0.37									
Overall	RTTVRoof										1.60	w/m-									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

																		-			
Address:	Residential Deve	lopment at I	o Fai Road	l, Tai Po,	New Terr	itories NT	L229 &223	(Tower 1) (w	ith sunsh	nading)								BD Ref. No		BD 2/9	060/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify																
No. of Storeys (Residential Units)		5							-												
(nesidential onits)		-																			
Table 1								-													
							D	eemed t	o Sati	sfy RT	V_{Wall}	-									
Facade Orientation Facing				NE					NW				9	SW					SE		
Average Absorptivity				0.37					J.37				C	.37					J.37		
Average Window to Wall R	atio			0.48					Э.20				C	.49				(J.15		
Shading Coefficient of Glaz	ing			0.46					1.03				C	.46					1.03		
Average Shading Coefficier	nt of Facade			0.48					0.89				C	.40				(J.83		
Visible Light Transmittance	e (%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2							•					-					-				
								I	RTTVw	/all											
Facade Orientation				NE					NTW					w					SE.		
Facing				INE					.N VV				r.	5 VV					SE		
Wall Orientation Factor			(0.924				().965				1.	.092				1	.051		
Total External Wall			431.77	m²	Window	v to Wall		307.33	m²	Window	to Wall		444.70	m²	Window	to Wall		302.64	m²	Windo	w to Wall
Area (Residential Units)					Ka	itio				ка	tio				ка	tio				к К	atio
Total Window Area			205.43	m²	-	0.48	1	62.48	m²	=	0.20		216.24	m²	=	0.49		45.55	m²	=	0.15
Heat	Opaque		2.0	7		W/m ²		3.29)		W/m ²		2.40			W/m ²		3.82			W/m ²
Conduction	Wall																				
	Window		0.68	3		W/m²		0.61			W/m²		0.75			W/m²		0.47	(W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=
			(m ²⁾ =																		
		Reflective	A	66	ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective	2)	66	ER(%)=	<u> </u>
			Area (m ²⁾ =	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%))=
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90		Area (m ²⁾ =	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)	= 90
			(m ²⁾ =							<u> </u>											_
	Daulala	Clear	205.43	0.46	ER(%)=	16	Clear	62.48	1.03	ER(%)=	8	Clear	216.24	0.46	ER(%)=	16	Clear	45.55	1.03	ER(%)=	8
	Glazing		Yes		NO			Yes	V	NO			Yes		INO			Yes	V	NO	
	0																				
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through				-		W/m ²		. 7.27	,		W/m ²		Q 01			W/m ²		E /19	,		\//m ²
Glazing			0.0.	, ,		w/////		1.21			•••/		0.51			w/////		5.40			w/////
Average Absorptivity			0.3	7				0.37					0.37					0.37			
RTTVWall at each facade			11.6	60		W/m²		11.1	7		W/m²		12.06			W/m²		9.77	,		W/m²
0																					
											11.28	W/m²									
Table 3																					
									TTTV RC	oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										479.88		m²								
Total Skylight Area	-										0.00		m²								
Heat	Roof										1.60		W/m²								
conduction	Skylight										0.00		W/m²								
Skylight	Glass Type			Reflectiv	/e			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=				m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading										Yes		No								
Solar Radiatio	n through Glazing										0.00	W/m²									
Average Ab	sorntivity (roof)											0.37									

1.60 W/m²

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

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof

RTTV Summary Sheet

Address	Peeidential Dave	loomont at l	e Fei Dese	L Toi Do	Now Torri	torios NT	1 220 8 222 /	Terrer 2) (m	the ounch	odina)								DD Dof No		BD 2/00	c0/17
Auuress:	Residential Dévé	Desident at L	LU Fai KOad	ı, Tai P0,	New Terri	LUFIES NI	1229 &223 (rower 2) (w	iui sunsh	auingj								во кет. No		вD 2/90	00/1/
Building Type: BTTV calculated by		Residential																			
itti v calculated by			1. Regist	ered Pro	otessiona	I Engine	ers													-	
			2. Archite	ect																-	
No. of Storour			3. Others	s, please	e specify :																
(Residential Units)		5																			
Table 1							_														
							De	emed to	o Satis	sty RT	"V _{Wall}										
Facade Orientation Facing				NE					SE					SW					NW		
Average Absorptivity				0.37				().37				C	.37				(0.37		
Average Window to Wall R	atio			0.47				().17				C	.49				(0.15		
Shading Coefficient of Glaz	ing			0.46				1	1.03				C	.46					1.03		
Average Shading Coefficien	t of Facade			0.48				().86				0	.40				(0.85		
Visible Light Transmittance	(%)			53					90					56					90		
External Reflectance (%)				16					8					16					8		
Table 2																					
								F	RTTVw	all											
Facade Orientation Facing			RTTV _{Wall} NE SE SW 0.924 1.051 1.092 425.80 m ² Window to Wall Ratio 311.17 m ² Window to Wall Ratio 442.70 m ² Window to Wall Ratio 200.10 m ³ = 0.47 52.27 m ² = 0.17 218.09 m ² = 0.49 2.10 W/m ² 3.74 W/m ² 2.37 W/m ²															I	NW		
Wall Orientation Faster			NE SE SW 0.924 1.051 1.092 425.80 m^2 Window to Wall Ratio 311.17 m ² Window to Wall Ratio 442.70 m ² Window to Wall Ratio 200.10 m ² = 0.47 52.27 m ² = 0.17 218.09 m ² = 0.49 2.10 W/m ² 3.74 W/m ² 2.37 W/m ²															(065		
Total External Wall			NE SE SW 0.924 1.051 1.092 425.80 m² Window to Wall Ratio 311.17 m² Window to Wall Ratio 442.70 m² Window to Wall Ratio 200.10 m² = 0.47 52.27 m² = 0.17 218.09 m² = 0.49 2.10 W/m² 3.74 W/m² 2.37 W/m² 0.68 W/m² 0.54 W/m² 0.76 W/m² $area$ SC= VLT (%)= $area$ (m²= SC= VLT (%)= $area$ (m²= SC= VLT (%)= $area$ (m²= SC= $area$ (m²= SC= $best uic$ $area$															313.84	m²	Windov	v to Wall
Area (Residential Units)			RTTVwall NE SE SW 0.924 1.051 1.092 425.80 m ² Window to Wall Ratio 311.17 m ² Window to Wall Ratio 442.70 m ² Window to Wall Ratio 200.10 m ² = 0.47 52.27 m ² = 0.17 218.09 m ² = 0.49 2.10 W/m ² 3.74 W/m ² 2.37 W/m ² 0.68 W/m ² 0.54 W/m ² 0.76 W/m ² (m ² = SC= VLT (%)= Area (m ² = SC= VLT (%)= ER(%)= Reflective Area SC= VLT (%)= Area (m ² = SC= VLT (%)= ER(%)= Reflective															515.04		Ra	atio
Total Window Area			200.10	m²	=	0.47		52.27	m²	=	0.17		218.09	m²	=	0.49		45.55	m²	=	0.15
Heat Conduction	Opaque Wall		2.10	0		W/m²		3.74			W/m²		2.37			W/m²		3.53	3		W/m²
	Window		RTTV _{Wall} NE SE SW 0.924 1.051 1.092 425.80 m ² Window to Wall Ratio 311.17 m ² Window to Wall Ratio 442.70 m ² Window to Wall Ratio 200.10 m ² = 0.47 52.27 m ² = 0.17 218.09 m ² = 0.49 2.10 W/m ² 3.74 W/m ² 2.37 W/m ² 0.68 W/m ² 0.54 W/m ² 0.76 W/m ² 0.68 W/m ² 0.54 W/m ² 0.76 W/m ² ed FR(%)= Reflective FR(%)= Reflective FR(%)= FR(%)=															0.41	-		W/m²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	=				
		Reflective	INL SL SW 0.924 1.051 1.092 425.80 m ² Window to Wall Ratio 311.17 m ² Window to Wall Ratio 442.70 m ² Window to Wall Ratio 200.10 m ² = 0.47 52.27 m ² = 0.17 218.09 m ² = 0.49 2.10 W/m ² 3.74 W/m ² 2.37 W/m ² 0.68 W/m ² 0.54 W/m ² 0.76 W/m ² (m^{3}) SC= VLT (%)= Area (m ³]= SC= VLT (%)= Reflective (m^{3}) $ER(\%)$ = Reflective $ER(\%)$ = Reflective $ER(\%)$ = Reflective $ER(\%)$ = Reflective (m^{3}) SC VLT (%)= $Area$ (m ³]= SC = VLT (%)= $Area$ (m ³]= SC = VLT (%)= $Tinted$ (m^{3}) SC VLT (%)= SC VLT (%)= SC $VLT (\%)$ = SC <td>Reflective</td> <td></td> <td></td> <td>ER(%)=</td> <td></td>														Reflective			ER(%)=	
			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $															Area (m ²⁾ =	SC=	VLT (%)=	-
			$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																		<u> </u>
		linted	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														linted	Aroa (m ²⁾ -	sc=	ER(%)=	00
			Ratio Ratio Ratio Ratio Ratio 200.10 m² = 0.47 52.27 m² = 0.17 218.09 m² = 0.49 2.10 W/m² 3.74 W/m² 2.37 W/m² 0.68 w/m² 0.54 w/m² 2.37 W/m² Area $(m²)=$ ER(%)= Area (m²)= SC= VLT (%)= Area (m²)= ER(%)= ER(%)= Reflective Area $(m²)=$ ER(%)= Reflective ER(%)= Reflective ER(%)= Reflective $(m²)=$ ER(%)= Tinted ER(%)= Tinted ER(%)= Tinted ER(%)= Tinted $(m²)=$ SC= VLT (%)= 16 Clear 52.27 1.03 ER(%)= 8 Clear 218.09 0.46 ER(%)= 16 Clear Yes No Yes No Yes No Yes No Yes No															Area (iii -			50
		Clear	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $														Clear	45.55	1.03	ER(%)=	8
	Double Glazing		Yes	23.80 m window to wait 311.1 / m window to wait 442.7 / 0 m window to wait Ratio Ratio Ratio 442.7 / 0 m window to wait Ratio 00.10 m² = 0.47 52.27 m² = 0.17 218.09 m² = 0.49 2.10 W/m² 3.74 W/m² 2.37 W/m² 0.68 W/m² 0.54 W/m² 0.76 W/m² 0.68 W/m² 0.54 W/m² 0.76 W/m² 21 ER(%)= Reflective ER(%)= Reflective ER(%)= Reflective 21 ER(%)= Reflective ER(%)= Reflective ER(%)= Reflective ER(%)= Reflective 21 ER(%)= Tinted Area (m²= SC= VLT (%)= Area (m²= SC= VLT (%)= Inted 22 ER(%)= Tinted ER(%)= Tinted ER(%)= Tinted ER(%)= Tinted 23 SC= VLT (%)= 53 Area (m²= SC= VLT (%)= Inted ER(%)= ER(%)= Tinted E														Yes	\checkmark	No	
	External	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No
	Silduling	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes		No
Solar Radiation through Glazing			8.7	6		W/m²		6.31			W/m²		9.03			W/m²		4.94	ļ		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.37	7		
RTTVWall at each facade			11.5	53		W/m²		10.59)		W/m²		12.15	;		W/m²		8.89)		W/m²
Overall RTTVWall											10.96	W/m²									
Table 3																					
								F	RTTV.	of											
Roof Orientation Factor			1						ĸ	101		2.16									
Total Roof Area (Residentia	l Units)										170.99	2.10	2								
Total Skylight Area	,										4/9.00										
Heat	Poof										1.60		111- \\\/m ²								
Conduction	Cludiaba										0.00		VV/111								
Skylight	Skylight Glass Type			Doflacti	12			A			0.00	?	w/m-					24	50		04
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,			Tinted	ve			Area-		-		m ²	SC=		-		-	70	CR-		70
				Clear				Ared=		-		2	SC=		-	VL1=	-	70	ER=	-	70
				Cicai				Area=		-		m*	SC=		-	VLI=	-	%	ER=	-	%
	Double Glazing									<u> </u>	ĭ es		INO								
	External Shading										res	W/m ²	INO								
Solar Radiation	1 through Glazing										0.00	0.37									
Average Abs	DIPTIVITY (root)										1 40	0.37 W/m ²									
Overall	R11VK001		1								1.00	**/11									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Address:	Residential Deve	lonment at I	o Fai Road	Tai Po	New Terri	tories NT	1 220 8 223 (Tower 3) (w	ith sunsh	ading)								BD Ref. No		BD 2/90	60/17
Ruilding Type:	Residential Deve	Posidontial		, 141 FU,	New Terri	LUTIES INT	1223 0223 (TOWET 5) (W	ILII SUIISI	aung)								BD REL NO		BD 2/ 50	00/1/
RTTV calculated by		Residential	4. Desist			I Enerica															
			T. Regist	erea Pro	Diessiona	Engine	ers														
			2. Archite	ect .																	
No. of Storour			3. Others	, please	e specify :																
(Residential Units)		4																			
Table 1																					
							De	emed to	o Satis	sfy RT	"V _{Wall}										
Facade Orientation Facing				NE				1	W					SW					SE		
Average Absorptivity				0.37				().37				().37				(0.37		
Average Window to Wall Ra	atio			0.48				().20				().49				(0.16		
Shading Coefficient of Glazi	ng			0.46				1	.03				().46				:	1.03		
Average Shading Coefficien	t of Facade			0.48				().86				().40				(0.80		
Visible Light Transmittance	(%)	1		53			1		90			1		53					90		
External Reflectance (%)		1		16					8					16					8		
Table 2		•					•					•					•				
								F	RTTVw	all											
Facade Orientation			NE NW SW 0.924 0.965 1.092 342.29 m² Window to Wall Ratio 250.82 m² Window to Wall Ratio 349.84 m² Window to Wall Ratio 163.99 m² = 0.48 50.15 m² = 0.20 172.42 m² = 0.49 2.06 W/m² 3.30 W/m² 2.37 W/m²																0.E		
Facing			NE NW SW 0.924 0.965 1.092 342.29 m^2 Window to Wall Ratio 250.82 m^2 Window to Wall Ratio 349.84 m^2 Window to Wall Ratio 163.99 m^2 = 0.48 50.15 m^2 = 0.20 172.42 m^2 = 0.49																SE		
Wall Orientation Factor			NE NW SW 0.924 0.965 1.092 342.29 m^2 Window to Wall Ratio 250.82 m^2 Window to Wall Ratio 349.84 m^2 Window to Wall Ratio 163.99 m^2 = 0.48 50.15 m^3 = 0.20 172.42 m^2 = 0.49 2.06 W/m² 3.30 W/m² 2.37 W/m² 0.68 W/m² 0.58 W/m² 0.75 W/m²															1	.051		
Total External Wall		1	342.29	m²	Window	to Wall		250.82	m²	Window	to Wall	1	349.84	m²	Window	to Wall		252.60	m²	Window	v to Wall
Area (Residential Units)					Ra	tio				Ra	tio				Ra	tio				Ra	itio
Total Window Area			163.99	m²	=	0.48		50.15	m²	-	0.20		172.42	m²	=	0.49		39.26	m²	=	0.16
Heat	Opaque		2.00	5	ļ	W/m ²		3.30			W/m ²		2.37		ļ	W/m ²		3.80	,)		W/m ²
Conduction	Wall																				
	Window		0.68	3		W/m²		0.58			W/m²		0.75			W/m ²		0.47			W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):	••,		Area (m ²⁾ =	SC=	VLT (%)=	,		Area (m ²⁾ =	SC=	VLT (%)=	-
			(m ²⁾ =																		
		Reflective	A.r.o.o.	sc-	ER(%)=		Reflective	· (2)	sc-	ER(%)=		Reflective	· (2)	sc-	ER(%)=		Reflective	. (2)	sc-	ER(%)=	
			$(m^{2})=$	SC=	VLI (%)=			Area (m '=	5C=	VLI (76)			Area (m '=	5C=	VLI (76)=	•		Area (m '=	5C=	VLI (%)=	
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
		\checkmark	Area	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	90	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	90
		Class	(m ²⁾ =				Class			<u> </u>		Class					Class				
	Doublo		163.99	0.46	ER(%)=	16		50.15	1.03	ER(%)=	8		1/2.42	0.46	ER(%)=	16		39.26	1.03	ER(%)=	8
	Glazing		$\begin{array}{c c c c c c c c c c c c c c c c c c c $															Tes	V	NU	
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang		Yes		No	Overhang		Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through			8 90	ר		W/m ²		6 94			W/m ²		8 93			W/m ²		5 44			W/m ²
Glazing			0.54	5		,		0.5 1			,		0.55			,		5.11			,
Average Absorptivity			0.3	7				0.37					0.37					0.37			
KIIVWall at each lacade			11.6	4		W/m²		10.83	3		W/m²		12.05	5		W/m²		9.71			W/m²
Overall RTTVWall											11.18	W/m²									
Table 3												,									
								F		,											
Roof Orientation Factor			1						···· · Ro	100		0.16									
Total Roof Area (Residentia	Inits)										470.00	2.10	2								
Total Skylight Area											4/9.88		m*								
Heat	Deef										1.60		m*								
Conduction	ROOT										0.00		w/m-								
Skylight	Skylight Glass Tyne			D effectio							0.00	2	W/m*								
Skynght	Glass type			Tinted	ve			Area=		-		m*	SC=		-	VLI=	-	%	ER=	-	%
				Class				Area=		-		m*	SC=		-	VLI=	-	%	ER=	-	%
				Cicar				Area=		-		m ⁴	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing									<u> </u>	ĭ es		INO								
	External Shading										res	\//m ²	INO								
Solar Radiation	through Glazing										0.00	0.27									
Average Abs	orptivity (roof)										1 40	0.37									
Overall	KITVRoof										1.00	vv/m-									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Address:	Residential Deve	lopment at l	o Fai Road	, Tai Po,	New Terri	tories NT	L229 &223 (Tower 6) (w	ith sunsh	ading)								BD Ref. No	0.	BD 2/90	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	, please	specify :																
No. of Storeys (Residential Units)		4																			
Table 1																					
							De	emed t	o Satis	sfy RT	V_{Wall}										
Facade Orientation Facing				S					W					Ν					Е		
Average Absorptivity				0.37				().37			1	().37					0.37		
Average Window to Wall Ra	atio			0.44				().14				().48					0.48		
Shading Coefficient of Glazi	ng			0.46				1	L.03				().46					0.46		
Average Shading Coefficien	t of Facade			0.39				().84				().49					0.35		
Vicible Light Transmittance	/%)			53					90					52					52		
External Reflectance (%)	(70)			16					8					16					16		
Table 2		I		10					0			!		10					10		
				RTTV _{wall} S W N 0.975 1.131 0.79 3.62 m² Window to Wall Ratio 243.39 m² Window to Wall Ratio 303.18 m² Window to Wall Ratio 2.83 m² = 0.44 35.07 m² = 0.14 144.23 m² = 0.48 2.33 W/m² 4.14 W/m² 1.77 W/m²																	
Franka Oslantation		r – –		RTTV _{wall} S W N 0.975 1.131 0.79 23.62 m ² Window to Wall Ratio 243.39 m ² Window to Wall Ratio 303.18 m ² Window to Wall Ratio 2.83 m ² = 0.44 35.07 m ² = 0.14 144.23 m ² = 0.48 2.33 W/m ² 4.14 W/m ² 1.77 W/m ²																	
Facing			RTTV _{Wall} S W N 0.975 1.131 0.79 323.62 m² Window to Wall Ratio 243.39 m² Window to Wall Ratio 303.18 m² Window to Wall Ratio 142.83 m² = 0.44 35.07 m² = 0.14 144.23 m² = 0.48 2.33 W/m² 4.14 W/m² 1.77 W/m²																Е		
Wall Orientation Factor			$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$																1.072		
Total External Wall Area (Residential Units)			323.62	m²	Window Ra	to Wall tio		243.39	m²	Windov Ra	to Wall tio		303.18	m²	Windov Ra	v to Wall atio		340.33	3 m²	Windov Ra	w to Wall atio
Total Window Area			142.83	m²	=	0.44		35.07	m²	=	0.14		144.23	m²	=	0.48		162.66	5 m²	=	0.48
Heat Conduction	Opaque Wall		2.3	3		W/m²		4.14			W/m²		1.77			W/m²		2.39	9		W/m²
	Window		0.59)		W/m²		0.49			W/m²		0.50			W/m²		0.5	7		W/m ²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)	=
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)	-
			(m ²⁾ =		<u> </u>		ļ														
		Tinted			ER(%)=		Tinted	. 21		ER(%)=		Tinted	. 2)		ER(%)=		Tinted	. 21		ER(%)=	
			Area (m ²⁾ =	SC=	VLI(%)=	53		Area (m ²⁾ =	SC=	VLI(%)=	90		Area (m ²⁾ =	SC=	VLI(%)=	53		Area (m ²)=	= SC=	VLI(%)=	53
		Clear	142.83	0.46	FR(%)=	16	Clear	35.07	1.03	FR(%)=	8	Clear	144 23	0.46	FR(%)=	16	Clear	162 GF	0.4	5 FR(%)=	16
	Double	\checkmark	Yes	$\begin{array}{c c c c c c c c c c c c c c c c c c c $														Yes		No	
	Glazing			42.83 m^2 = 0.44 35.07 m^2 = 0.14 144.23 m^2 = 0.48 2.33 W/m² 4.14 W/m² 1.77 W/m² 0.59 W/m² 0.49 W/m² 0.50 W/m² 0.59 W/m² 0.49 W/m² 0.50 W/m² ea SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= Reflective ea SC= VLT (%)= Area (m²= SC= VLT (%)= ER(%)= Reflective ER(%)= Tinted ea SC= VLT (%)= Area (m²= SC= VLT (%)= SC= VLT (%)= ER(%)= Tinted ea SC= VLT (%)= 53 Area (m²= SC= VLT (%)= 53 Inted ea SC= VLT (%)= 16 Clear 35.07 1.03 ER(%)= 8 Clear 144.23 0.46 ER(%)= 16 Clear s No Yes No Yes No Yes No Yes No Yes																	
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through Glazing			6.9	7		W/m²		5.77			W/m²		7.72			W/m²		7.5	0		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.3.	7		
RTTVWall at each facade			0.0	, 1		W/m ²		10.07			\\/m ²		0.07			W/m ²		10.0	,		W/m ²
Overall RTTVWall			5.50	,		••/		10.40	,		10.18	W/m ²	5.55			w/m		10.4	,,		•••
Table 3												,									
Deef Orlegteting Frates								r	VII V Ro	oof											
Root Orientation Factor												2.16									
Total Roof Area (Residentia	I Units)										509.22		m²								
Total Skylight Area											0.00		m²								
Heat	Roof										1.60		W/m²								
conduction	Skylight										0.00		W/m²								
Skylight	Glass Type			Reflecti	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading										Yes		No								
Solar Radiation	through Glazing										0.00	W/m²									
Average Abs	orptivity (roof)											0.37									
Overall	RTTVRoof										1.38	W/m²									

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

Notes :

1.Please tick in the box as appropriate

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

RTTV Summary Sheet

Address:	Residential Deve	elopment at l	lo Fai Road	l, Tai Po,	New Terri	tories NT	L229 &223 (Tower 7) (w	ith sunsh	nading)								BD Ref. No).	BD 2/906	50/17
Building Type:		Residential																			
RIIV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	e specify :																
No. of Storeys (Residential Units)		5																			
Table 1																					
							De	emed t	o Sati	sty RT	r V _{Wall}										
Facade Orientation Facing				Ν					E					S					W		
Average Absorptivity				0.37				().37				0).37					0.37		
Average Window to Wall R	atio			0.44				().13				0).47					0.43		
Shading Coefficient of Glaz	ing			0.46					L.03				0).46					0.46		
Average Shading Coefficier	t of Facade			0.50				().87				C	0.40					0.36		
Visible Light Transmittance	(%)			53					90					53					53		
External Reflectance (%)				16					8					16					16		
Table 2																					
				RTTV _{wall} N E S 0.79 1.072 0.975 05 m² Window to Wall Ratio 326.73 m² Window to Wall Ratio 395.54 m² Window to Wall Ratio 46 m² = 0.44 41.07 m² = 0.13 185.01 m² = 0.47 90 W/m² 4.01 W/m² 2.22 W/m² .47 w/m² 0.42 w/m² 0.61 w/m²													-				
Facade Orientation				N E S 0.79 1.072 0.975 05 m² Window to Wall Ratio 326.73 m² Window to Wall Ratio 395.54 m² Window to Wall Ratio 46 m² = 0.44 41.07 m² = 0.13 185.01 m² = 0.47 .90 W/m² 4.01 W/m² 2.22 W/m²															W		
Facing				N E S 0.79 1.072 0.975 .05 m² Window to Wall Ratio 326.73 m² Window to Wall Ratio 395.54 m² Window to Wall Ratio .46 m² = 0.44 41.07 m² = 0.13 185.01 m² = 0.47 1.90 W/m² 2.22 W/m²																	
Wall Orientation Factor				N E S 0.79 1.072 0.975 9.05 m² Window to Wall Ratio $326.73 m²$ Window to Wall Ratio $395.54 m²$ Window to Wall Ratio 9.46 m² = 0.44 41.07 m² = 0.13 185.01 m² = 0.47 1.90 W/m² 4.01 W/m² 2.22 W/m² 0.47 w/m² 0.42 w/m² 0.61 w/m² 0.47 Image: SC= VLT (%)= Image: Area (m²) SC= VLT (%)= Image: A]	1.131	1	
Area (Residential Units)			409.05	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$														452.80) m-	Window Ra	to Wall tio
Total Window Area			179.46	m²	-	0.44		41.07	m²		0.13		185.01	m²	=	0.47		193.78	m²	=	0.43
Heat Conduction	Opaque		1.90)		W/m²		4.01			W/m²		2.22			W/m²		2.77	7		W/m²
	Window		0.4	7		W/m ²		0.42			W/m ²		0.61			W/m ²		0.54	1		W/m ²
Window	Glass Type		Area	SC=	VLT (%)=	••/		Area (m ²⁾ =	SC=	VLT (%):	-		Area (m ²⁾ =	SC=	VLT (%)=	=		Area (m ²⁾ =	SC=	VLT (%)=	:
		Deflection	(m ²⁾ =				Definition			<u> </u>		Deflection					Definetion				
		Kellecuve	Area	sc-	ER(%)=		Reliective	Area (m ²⁾ -	sc-	ER(%)=		Reliective	Area (m ²⁾ -	sc-	ER(%)=		Reliective	Area (m ²⁾ -	sc-	ER(%)=	<u> </u>
			(m ²⁾ =	50-	VE1(70)=			Area (m =	50-	v L 1 (70)-			Area (m =	50-	VE1(70)=			Area (III =		VE1(/0)=	
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	53
		Clear	(m ⁻ '=	0.46	ED(0/)-	16	Clear	41.07	1 03	ED/0/)-		Clear	195.01	0.46	ED (0/)-	16	Clear	102.70	0.46	5 5 0 (9/)-	16
	Double		Yes	0.40	No	10		Yes	1.05	No	0		Yes	0.40	No	10		Yes		No	10
	Glazing			$\begin{array}{c c c c c c c c c c c c c c c c c c c $																	
	a. 1			$\begin{array}{c c c c c c c c c c c c c c c c c c c $																	
	External Shading	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang	-	Yes		No
Color Dadiation through		Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No
Glazing			7.2	5		W/m²		4.92			W/m²		7.61			W/m²		7.22	2		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.3	7		
RTTVWall at each facade			9.6	2		W/m ²		0 35			W/m ²		10.4/	1		W/m ²		10 5	3		W/m ²
Overall RTTV/Wall			510	-		,		5.05			10.02	141/1002	10.11			,			0		
Toble 2											10.05	vv/111									
Roof Orientation Factor			r –						VII V RO	oof		0.16									
Total Roof Area (Residentia	l Inits)										500.00	2.16									
Total Skylight Area	il Ollits)										520.82		m²								
Heat	a (0.00		m²								
Conduction	Root										1.60		W/m²								
Skylight	Skylight Glass Type			Deflectio				I.			0.00	2	W/m*								
Skyngin	Glubb Type			Tinted	ve			Area=		-		m*	SC=		-	VLI=	-	%	ER=	-	%
				Class				Area=		-		m*	SC=		-	VLI=	-	%	ER=	-	%
				Cicar				Area=		-		m ⁴	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
Color Dr. H. H.	External Shading										1 es	W//m ²	INO								
Solar Radiation	orntivity (rocf)										0.00	0.37									
Average Abs	RTTVRoof										1 20	W/m ²									
overall	NULVINUUI		1								1.JL										

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Addross	Recidential Dove	lonmont at l	o Epi Ropo	L Tai Ro	Now Torri	torioc NT	1 220 8.222 (Towor 8) /w	th cunch	ading)								PD Rof No		RD 2/00	50/17
Address:	Residential Deve	lopment at l	LO FAI KOAC	i, Tai Po,	New Terri	tories N I	LZZ9 & ZZ3 (Tower 8) (w	th sunsh	ading)								BD Ref. NO		BD 2/900	50/17
Building Type: BTTV calculated by		Residential	4. D																		
itti v calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
No. of Storeys			3. Others	s, please	specity :																
(Residential Units)		5																			
Table 1																					
							De	emed to	o Satis	ity RT	V _{Wall}										
Facade Orientation Facing				SW				1	JW					NE					SE		
Average Absorptivity				0.37				().37				0).37				().37		
Average Window to Wall Ra	atio			0.50				().19				0).50				().15		
Shading Coefficient of Glazi	ng			0.46				1	03				0).46					L.03		
Average Shading Coefficien	t of Facade			0.45				(.89				C).51				().83		
Visible Light Transmittance	(%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2																					
								F	RTTVw	all		. <u> </u>									
Facade Orientation Facing				SW				1	W				1	NE					SE		
Wall Orientation Factor				1.092				0	.965				0	.924				1	.051		
Total External Wall Area (Residential Units)			389.44	m²	Window Ra	to Wall tio		304.39	m²	Windov Ra	to Wall tio		444.99	m²	Window Ra	v to Wall itio		305.35	m²	Window Ra	to Wall tio
Total Window Area			194.23	m²	=	0.50		58.05	m²	=	0.19		221.36	m²	=	0.50		45.55	m²	=	0.15
Heat Conduction	Opaque Wall		2.34	4		W/m²		3.34			W/m²		1.99			W/m²		3.83			W/m²
	Window		0.8	5		W/m²		0.56			W/m²		0.80			W/m²		0.46			W/m²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
								Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	
		Tisted					The second			50(0()		The second			50(0()		Tatad			50(0()	
			Area	SC=	VI T(%)=	52		Area (m ²⁾ -	SC=	ER(%)= VI T(%)=	90		Area (m ²⁾ -	SC=	ER(%)= VIT(%)=	52		Area (m ²⁾ -	SC=	ER(%)= VIT(%)=	90
			(m ²⁾ =			55		neu (m		. ,	50		/ « cu (. ,	- 55		/ u cu (iii		. ,	50
		Clear	194.23	0.46	ER(%)=	16	Clear	58.05	1.03	ER(%)=	8	Clear	221.36	0.46	ER(%)=	16	Clear	45.55	1.03	ER(%)=	8
	Double Glazing		Yes		No			Yes		No			Yes		No			Yes		No	
	External	Overhand		Vaa		No	Quarhana		Vaa		No	Quarbana		Vaa		No	Ouerhang		Vaa		No
	Shading	Cidofin		Voc		No	Sidofin		Voc		No	Sidofin		Voc		No	Sidofin		Voc		No
Solar Radiation through		Sidenin		163		NO	Sideini		163		NO	Sidenn		163		NO	Sidenn		163		NO
Glazing			10.2	26		W/m²		6.86			W/m²		9.73			W/m²		5.45			W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.37			
Arrewait at cacinacade			13.4	5		W/m²		10.76	6		W/m²		12.52	2		W/m²		9.74			W/m²
Overall RTTVWall											11.81	W/m²									
Table 3																					
								F	RTTV _{RC}	of											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	l Units)										500.43		m²								
Total Skylight Area											0.00		m²								
Heat	Roof										1.60		W/m²								
Conduction	Skylight										0.00		W/m²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading										Yes		No								
Solar Radiation	through Glazing										0.00	W/m²									
Average Abs	orptivity (roof)											0.37									
Overall	RTTVRoof										1.42	W/m²									

 $\mathsf{ER} = \mathsf{External} \; \mathsf{Reflectance}; \mathsf{SC} = \mathsf{Shading} \; \mathsf{Coefficient} \; \& \; \mathsf{VLT} = \mathsf{Visible} \; \mathsf{Light} \; \mathsf{Transmittance}$

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

r																					
Address:	Residential Deve	lopment at I	o Fai Road	l, Tai Po,	New Terri	itories NT	L229 &223 (Tower 9) (w	ith sunsh	nading)								BD Ref. No).	BD 2/90	160/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify :																
No. of Storeys (Residential Units)		5																			
Table 1																					
							De	emed t	o Sati	sfy RT	rv _{wall}										
Facade Orientation Facing				SW					SE					NE					NW		
Average Absorptivity				0.37				().37				C).37					0.37		
Average Window to Wall R	atio			0.47				().18				C).48				1	0.14		
Shading Coefficient of Glaz	ng			0.46				1	L.03				C).46					1.03		
Average Shading Coefficien	t of Facade			0.45				(0.80				C).44				(0.84		
Visible Light Transmittance	(%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2							-										-				
								F	RTTVW	/all											
Facade Orientation				CIU					С.				1	NIC					NIW		
Facing				2.10					9E				1	NE					INW		
Wall Orientation Factor				1.092				1	.051				0	.924				().965		
Total External Wall			433.65	m²	Window	/ to Wall		311.17	m²	Window	/ to Wall		450.56	m²	Windov	v to Wall		313.84	m²	Window	<i>w</i> to Wall
Area (Residential Units)					Ra	tio				Ra	tio				Ra	itio				Ra	itio
Total Window Area			204.85	m²	-	0.47		55.28	m²		0.18		216.69	m²	=	0.48		45.50	m²	=	0.14
Heat	Opaque		2.4	7		W/m ²		3.70			W/m ²		2.05			W/m ²		3.53	, ;	4	W/m ²
Conduction	Wall		2					5170					2.05					0100			
	Window		0.8	1		W/m²		0.52			W/m ²		0.63			W/m²		0.41			W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	=
			(m ²⁾ =																		
		Reflective			ER(%)=		Reflective	. 21		ER(%)=		Reflective	. 21		ER(%)=		Reflective	. 2)		ER(%)=	
			Area (m ²⁾ -	SC=	VLI (%)=			Area (m [*] '=	SC=	VLI (%):			Area (m ^{*/} =	SC=	VLI (%)=	=		Area (m ⁻ '=	SC=	VLI (%)=	-
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	1
		\checkmark	Area	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	90	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90
			(m ²⁾ =																		
	Daubla	Clear	204.85	0.46	ER(%)=	16	Clear	55.28	1.03	ER(%)=	8	Clear	216.69	0.46	ER(%)=	16	Clear	45.50	1.03	ER(%)=	8
	Glazing		Yes		NO			Yes	V	NO			Yes		INO			Yes	V	NO	
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through			0.7	2		\A//m ²		6.26			\M/m ²		0 25			W/m ²		4.05	,		\//m ²
Glazing			9.7.	2		vv/III		0.20			vv/III		0.23			vv/111		4.93)		vv/111
Average Absorptivity			0.3	7				0.37					0.37					0.37	7		
RTTVWall at each facade			12 9	9		W/m ²		10.48	2		W/m ²		10.93	R		W/m ²		8.85	ξ		W/m ²
Overall RTTVWall				-					-		11 00	W/m ²				-					
Table 3												,									
								F		,											
Roof Orientation Factor			1						CI I V RO	100		0.16									
Total Roof Area (Residentia	Inits)										470.00	2.10	2								
Total Skylight Area											4/9.88		m*								
Heat	06										1.60		m*								
Conduction	Root										1.00		W/m*								
Chuliabt	Skylight Glass Type			D. G:				<u> </u>			0.00		W/m²						<u> </u>		
Skylight	Glass Type			Reflectiv	/e			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m ²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading										Yes		No								
Solar Radiation	through Glazing										0.00	w/m ²									
Average Abs	orptivity (roof)		<u> </u>									0.37									
Overall	RTTVRoof										1.60	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Address	Desidential Davis	loom ont at l	e Fei Dese	To: Do	Nous Torr	itarias NT	1 220 8 222	(Tower 10) /	uith cunc	hading)								DD Dof No		BD 3/00	00/17
Address:	Residential Deve	iopment at i	LO FAI KOAC	1, Tai Po,	New Terr	itories N I	L229 & 223	(10wer 10) (with suns	nading)								BD Ref. NO.		BD 2/90	60/17
Building Type: BTTV calculated by		Residential																			
itti v calculated by			1. Regist	tered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
No. of Channel			3. Others	s, please	e specify																
No. of Storeys (Residential Units)		5																			
Table 1																					
							De	eemed t	o Satis	sfy RT1	Vwall										
Facade Orientation Facing				NE					SE	-				SW				1	W		
Average Absorptivity				0.37				(0.37				().37				().37		
Average Window to Wall R	atio			0.46				(0.19				().49				().15		
Shading Coefficient of Glaz	ing			0.46					1.03				(0.46				1	.03		
Average Cheding Coefficien	t of Foodda			0.49				(1 78					1 40					1 84		
Average shading coefficien				E2					00					F 2					00		
Visible Light Transmittance	(%)			16					90					16					90		
External Reflectance (%)		ļ		16			<u> </u>		ð			ļ		10					ð		
Table 2																					
		r						1	KIIV _W	all											
Facade Orientation				NE					SE					SW				1	W		
racing																					
Wall Orientation Factor				0.924	A first and			1	.051	Addies of according	4 - 14/-11		1	.092	Mar day			0	.965	had a day	
Area (Residential Units)			445.78	m*	Windov	v to Wall itio		314.41	m*	Window Ra	to Wall		448.71	m*	Window	to Wall		311.87	m*	Window	v to Wall atio
,																					
Total Window Area			204.85	m²	-	0.46		58.83	m²	=	0.19		219.11	m²	=	0.49		45.48	m²	=	0.15
Heat	Opaque		2.14	4	•	W/m²		3.66		,	W/m²		2.39		•	W/m²		3.69		,	W/m²
Conduction	Wall																				
	Window		0.6	7		W/m²		0.53			W/m²		0.75			W/m²		0.42			W/m²
Window	Glass Type		Area	SC=	VLT (%)=	:		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	=
			(m ²⁾ =																	L	
		Reflective			ER(%)=		Reflective	. 21		ER(%)=		Reflective	. 2)		ER(%)=		Reflective	. 21		ER(%)=	
			Area (m ²⁾ -	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%)=	-
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90
			(m ²⁾ =				ļ													L	
		Clear	204.85	0.46	ER(%)=	16	Clear	58.83	1.03	ER(%)=	8	Clear	219.11	0.46	ER(%)=	16	Clear	45.48	1.03	ER(%)=	8
	Double		Yes		No			Yes	\checkmark	No			Yes		No			Yes	\checkmark	No	
	Giazing																				
	External	Overbang		Ves		No	Overhang		Ves		No	Overbang		Ves		No	Overhang		Ves		No
	Shading	Sidefin		Ves	 	No	Sidefin		Ves		No	Sidefin		Ves		No	Sidefin		Ves		No
Solar Radiation through		Sidenii	_	103		NO	Sidenn		103		110	Sidenn	_	105		110	Sidenii		103		110
Glazing			8.6	4		W/m ²		6.37			W/m²		8.96			W/m²		4.96			W/m²
Average Absorptivity			0.3	7				0.37	,				0.37					0.37			
RTTVWall at each facade									_												
			11.4	14		W/m²		10.5	5		W/m²		12.12	L		W/m²		9.07			W/m²
Overall RTTVWall							!				10.97	W/m²									
Table 3																					
								F		,											
Roof Orientation Factor			1						VI V RO	oot		2.14									
Total Deef Area (Desidentia	(Linite)											2.16									
Total Rool Area (Residentia	ai offics)										524.80		m²								
Total Skylight Area	1										0.00		m²								
Conduction	Roof										1.60		W/m²								
	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading										Yes		No								
Solar Radiation	n through Glazing										0.00	W/m²									
Average Ab	corntivity (roof)											0.37									

1.60 W/m²

 $\mathsf{ER} = \mathsf{External} \; \mathsf{Reflectance}; \mathsf{SC} = \mathsf{Shading} \; \mathsf{Coefficient} \; \& \; \mathsf{VLT} = \mathsf{Visible} \; \mathsf{Light} \; \mathsf{Transmittance}$

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof

RTTV Summary Sheet

Address:	Residential Deve	elopment at I	Lo Fai Road	l, Tai Po,	New Terri	tories NT	L229 &223 (Tower 11 &	12) (with	n sunshad	ing)							BD Ref. No).	BD 2/90	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify																
No. of Storeys (Residential Units)		5																			
Table 1																					
							De	emed t	o Sati	sfy RT											
Facade Orientation Facing				NE					SE					SW					NW		
Average Absorptivity				0.37				().37				().37					0.37		
Average Window to Wall R	atio	1		0.54				().22				().53					0.20		
Shading Coefficient of Glaz	ing			0.46				1	.03				(0.46					1.03		
Average Cheding Coefficien	t of Foodda			0.52				(1.80					1 39					1 03		
Average shading coefficien				F.2					00					5.55					00		
	(70)			16					0					16					0		
Table 2		Į		10			l		0			<u> </u>		10			I		0		
		1					1		VII VW	all		1									
Facade Orientation				NE					SE					SW				,	NW		
				0.004				1	051				1	002					0.005		
Wall Orientation Factor			570.00	0.924	Window	to Wall		200.71	.051	Window	to Wall		722.50	.092	Window	v to Wall		256.50	1.900 m²	Window	v to Wall
Area (Residential Units)			570.06		Ra	tio		380.71		Ra	tio		123.58		Ra	atio		300.52		Ra	atio
Total Window Area		1	306.98	m²	=	0.54		83,58	m²	-	0.22		383.83	m²	=	0.53		70.12	m²	=	0.20
Heat Conduction	Opaque		1.4	8		W/m ²		2.85			W/m²		1.78		,	W/m²		2.65	5		W/m ²
	Window		0.8	2		W/m²		0.64			W/m²		0.79			W/m²		0.65	i		W/m²
Window	Glass Type		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	=
		Reflective	(ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	-
			(m ²⁾ =				ļ					ł									
		Tinted			ER(%)=		Tinted	21		ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
			Area (m ²⁾ =	SC=	VLI(%)=	53		Area (m ²⁾ =	SC=	VLI(%)=	90		Area (m ²⁾ =	SC=	VLI(%)=	53		Area (m ^{2/} =	SC=	VLI(%)=	90
		Clear	306.98	0.46	FR(%)=	16	Clear	83 58	1.03	FR(%)=	8	Clear	383.83	0.46	FR(%)=	16	Clear	70 12	1.03	FR(%)=	8
	Double		Yes		No			Yes		No		\checkmark	Yes		No			Yes		No	
	Glazing																				
	External	Overbang		Voc		No	Overbang		Voc		No	Overbang		Voc		No	Overbang		Voc		No
	Shading	Overhang		Vee		No	Overhang		Vee		No.	Overhang		Vee		No	Overhang	·	Vee		No.
Solar Radiation through		Sidelin		Tes		INU	Sidelin		162		NU	Siderin		Tes		INU	Siderin		162		NU
Glazing			10.7	'4		W/m²		7.67			W/m²		9.44			W/m²		7.72	2		W/m²
Average Absorptivity			0.3	7				0.37					0.37					0.37	7		
RTTVWall at each facade			13.0	94		W/m²		11.16	5		W/m²		12.02	1		W/m²		11.0	2		W/m²
Overall RTTVWall											11.97	W/m²									
Table 3																					
								F		oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										868 31	2.10	m ²								
Total Skylight Area											0.00										
Heat	Deef										1.60		111-								
Conduction	ROOT										1.00		w/m-								
Skulight	Skylight			D. G:				<u> </u>			0.00		W/m²			. – –			r –		
Skylight	Glass Type			Kenectiv	/e			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes	<u> </u>	No								
	External Shading	3									Yes		No								
Solar Radiation	n through Glazing	5									0.00	W/m²									
Average Abs	sorptivity (roof)											0.37									
Overall	RTTVRoof										1.60	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

r																		1			
Address:	Residential Deve	elopment at I	Lo Fai Roac	l, Tai Po,	New Terri	tories N1	L229 &223 (Tower 15) (with suns	shading)								BD Ref. No).	BD 2/90	160/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify :																
No. of Storeys (Residential Units)		5																			
Table 1		I																			
							De	eemed t	o Satis	sfy RT	rv _{wall}										
Facade Orientation Facing				Ν					W					S					Е		
Average Absorptivity				0.37				().37				C).37					0.37		
Average Window to Wall R	atio			0.45				().18				C).46					0.17		
Shading Coefficient of Glaz	ing			0.46				:	L.03				C).46					1.03		
Average Shading Coefficier	nt of Facade			0.55				().91				C).42					0.74		
Visible Light Transmittance	e (%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2		•					•										•				
									RTTVw	/all											
Facade Orientation				N					W					c					Б		
Facing				IN					W					2					E		
Wall Orientation Factor				0.79				1	.131				0	.975]	.072		
Total External Wall			408.24	m²	Window	to Wall		305.59	m²	Window	to Wall		471.82	m²	Windov	v to Wall		326.27	m²	Windov	w to Wall
Area (Residential Units)					Ra	tio				R	tio				Ra	itio				Ra	atio
Total Window Area		1	184.43	m²	=	0.45		54 53	m²	<u> </u>	0.18		217.12	m²	_	0.46		55.08	m²	-	0.17
Heat	Onaque	1	18	5	ļ	W/m ²		3.98			W/m ²		2.25		ļ=	W/m ²		3.81		Ļ	W/m ²
Conduction	Wall		1.0.	<i>.</i>				5.70					2.23					5.01			
	Window		0.5	7		\A//m ²		0.63			W/m ²		0.67			W/m ²		0.48	{		M/m^2
Window	Glass Type		Area	SC=	VLT (%)=	vv/111		Area (m ²⁾ =	SC=	VLT (%)	vv/111		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):	=
			(m ²⁾ =				_				_										
		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	
			Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=	-
		Tinted	(m ·=		ER(%)-		Tinted			FR(%)-		Tinted			FR(%)-		Tinted			FR(%)-	Т
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90
			(m ²⁾ =				ļ														
		Clear	184.43	0.46	ER(%)=	16	Clear	54.53	1.03	ER(%)=	8	Clear	217.12	0.46	ER(%)=	16	Clear	55.08	1.03	ER(%)=	8
	Double		Yes		No			Yes	\checkmark	No			Yes		No			Yes	\checkmark	No	
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang		Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through		1		-		141/2		7.00			14/12		7 70			14/2					14/2
Glazing			8.2	5		w/m-		7.68			w/m-		7.79			w/m-		5.61	_		w/m-
Average Absorptivity			0.3	7				0.37					0.37					0.37	7		
RTTVWall at each facade			10 6	7		W/m ²		12.2	2		W/m ²		10 71			W/m ²		a ar	`		W/m ²
			10.0	,,		w/////		12.20			•••/		10.71	-		w/////		5.50	,		**/111
Overall RTTVWall											10.84	W/m²									
Table 3																					
								F	RTTV _{RC}	oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										500.73		m²								
Total Skylight Area											0.00		m²								
Heat	Roof										1.60		W/m²								
Conduction	Skylight										0.00		W/m²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m ²	SC=		-	VLT=		%	ER=	-	%
	Double Glazing		İ					•			Yes		No						•		
	External Shading	2	1								Yes		No								
Solar Radiation	n through Glazing	,	İ								0.00	W/m²									
Average Abs	sorptivity (roof)		1									0.37									
Overall	RTTVRoof		İ								1.60	W/m²									

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

Notes :

1.Please tick in the box as appropriate

RTTV Summary Sheet

Address:	Residential Deve	elopment at	Lo Fai Roac	l, Tai Po,	New Terr	itories NT	L229 &223	(Tower 16) (with suns	shading)								BD Ref. No).	BD 2/9	060/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify	:															
No. of Storeys (Residential Units)		5																			
Table 4																					
Table 1									- 6 - 12	-6 DT											
							U	eemea t	o Sati	сту кт	V _{Wall}								_		
Facade Orientation Facing				N					W					5					Ł		
Average Absorptivity				0.37					0.37				C	1.37					0.37		
Average Window to Wall R	latio			0.47					0.18				C	.48					0.14		
Shading Coefficient of Glaz	zing			0.46					1.03				C	.46					1.03		
Average Shading Coefficien	nt of Facade			0.55					0.81				C	.38					0.83		
Visible Light Transmittance	e (%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2																					
								I	RTTV _w	/all											
Facade Orientation				N					W					c					Б		
Facing				IN					W					2					E		
Wall Orientation Factor				0.79				1	1.131				0	.975				1	.072		
Total External Wall		1	433.65	m²	Windov	v to Wall		311.17	m²	Window	to Wall	1	450.56	m²	Windov	v to Wall		313.84	m²	Windo	w to Wall
Area (Residential Units)					Ra	atio				Ra	tio				Ra	itio				R	latio
Total Window Area		1	204.85	m²	-	0.47		55.28	m²	=	0.18		216.69	m²	-	0.48		45 50	m²	<u> </u>	0.14
Heat	Opaque	1	1.75	8	ļ	W/m ²		3.98	{		W/m ²		210.07		<u> </u>	W/m ²		3.97	,	<u> </u>	W/m ²
Conduction	Wall		1.75	0				5.70	,				2.17					5.72			
	Window		0.5	8		\A//m ²		0.56	í.		\//m ²		0.66			W/m ²		0.46	<u>.</u>		W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	vv/111		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=
			(m ²⁾ =		. ,					. ,		_				-					
		Reflective			ER(%)=		Reflective	•		ER(%)=		Reflective			ER(%)=		Reflective			ER(%)=	4
			Area	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=
		Tinted	(m '=		ED(0/)-		Tinted			ED(0/)-		Tinted			FD/0/)-		Tintod			ED(0/)-	
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)	= 90
			(m ²⁾ =			55		rucu (m		. ,	50		/ u cu (/ ucu (iii			50
		Clear	204.85	0.46	ER(%)=	16	Clear	55.28	1.03	ER(%)=	8	Clear	216.69	0.46	ER(%)=	16	Clear	45.50	1.03	ER(%)=	- 8
	Double		Yes		No			Yes	\checkmark	No			Yes		No			Yes	\checkmark	No	
	Glazing																				
	External	Quarbang		Vaa		No	Quarhana		Vaa		No	Quarhana		Vaa		No	Quarhang		Vee		
	Shading	Cidefie		Vee		No	Cidefie		Vee		No	Cidefie		Vee		No	Cidefie		Vee		1 No
Solar Radiation through		Sidenn		162		NU	Sidelin		165		INU	Siderin		165		INU	Sidelin		Tes		NU NU
Glazing			8.5	2		W/m²		6.76	5		W/m²		7.53			W/m²		5.41	L		W/m²
Average Absorptivity			0.3	7				0.37	7				0.37					0.37	7		
RTTVWall at each facade		1																			
			10.8	39		W/m ²		11.3	1		W/m²		10.36)		W/m²		9.80)		W/m²
Overall RTTVWall		1									10.59	W/m²									
Table 3																					
										oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										170.88	2.10	m ²								
Total Skylight Area	,										4/9.00		m ²								
Heat	Poof										1.60		111 ⁻								
Conduction	RUUI										0.00		W/III-								
Skylight	Skylight Glass Type			Deflectio				1.			0.00	2	W/m*								
Skynght	cluss type			Tinted	ve			Area=		-		m*	SC=		-	VLI=	-	%	ER=		%
				r inted				Area=		-		m*	sc=		-	VLI=	-	%	ER=	-	%
	L			Cicar				Area=		-		m ⁴	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading	3									Yes	L	No								
Solar Radiatio	n through Glazing	5	 								0.00	W/m²									
Average Ab	sorptivity (roof)		1									0.37									

1.60 W/m²

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

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof

RTTV Summary Sheet

Address:	Residential Deve	elopment at l	Lo Fai Road	l, Tai Po,	New Terr	itories NT	L229 &223	(Tower 17) (with suns	hading)								BD Ref. No		BD 2/9	060/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	s, please	specify																
No. of Storeys		5																			
(Residential Offics)		5																			
Table 1																					
							D	eemed t	o Sati	sfy RTT	V_{Wall}										
Facade Orientation Facing				Ν					E					S					W		
Average Absorptivity				0.37				().37				0	.37				(0.37		
Average Window to Wall R	atio			0.47				(D.18				0	.48				(0.14		
Shading Coefficient of Glaz	ing			0.46				:	1.03				0	.46				:	1.03		
Average Shading Coefficier	nt of Facade			0.55				(D.81				0	.38				(0.83		
Visible Light Transmittance	2 (%)			53					90					53					90		
External Reflectance (%)				16					8					16					8		
Table 2		•					•					•					•				
								1	RTTVw	/all											
Facade Orientation														a					***		
Facing				Ν					E					S					W		
Wall Orientation Factor				0.79				1	.072	1			0.	.975	I			1	.131	1	
Total External Wall Area (Residential Units)			433.65	m²	Windov	v to Wall Itio		311.17	m*	Window	to Wall		450.56	m*	Window	v to Wall Itio		313.84	m*	Windo	w to Wall ≀atio
,																					
Total Window Area			204.85	m²	=	0.47		55.28	m²	=	0.18		216.69	m²	=	0.48		45.50	m²	=	0.14
Heat	Opaque		1.78	8		W/m²		3.77			W/m²		2.17			W/m²		4.14			W/m²
Conduction	Wall																				
	Window		0.58	8		W/m²		0.53			W/m²		0.66			W/m²		0.49			W/m²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=	-		Area (m ²⁾ =	SC=	VLT (%)=
		Reflective	(m '=		FR(%)=		Reflective			FR(%)=		Reflective			FR(%)=		Reflective			FR(%)=	1
			Area	SC=	VLT (%)=	:		Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)=
			(m ²⁾ =				ļ						· ·								
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	4
			Area	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)=	90		Area (m ²⁾ =	SC=	VLT(%)=	53		Area (m ²⁾ =	SC=	VLT(%)	= 90
		Clear	204 85	0.46	FR(%)=	16	Clear	55 28	1.03	FR(%)=	8	Clear	216 69	0.46	FR(%)=	16	Clear	45 50	1.03	ER(%)=	8
	Double		Yes		No			Yes	\checkmark	No		\checkmark	Yes		No			Yes		No	
	Glazing																				
	Foto and																				
	Shading	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No	Overhang		Yes		No
Color Dadiation through		Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No	Sidefin		Yes	V	No
Glazing			8.52	2		W/m²		6.41			W/m²		7.53			W/m²		5.71			W/m²
Average Absorptivity			0.3	7				0.37	,				0.37					0.37	,		
RTTVWall at each facade																					
			10.8	59		w/m-		10.7.	2		w/m-		10.36	1		w/m-		10.3	4		w/m-
Overall RTTVWall											10.58	W/m²									
Table 3																					
			r					1	(IIV _{Re}	oof											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										479.88		m²								
Total Skylight Area											0.00		m²								
Heat	Roof										1.60		W/m²								
Conduction	Skylight										0.00		W/m²								
Skylight	Glass Type			Reflectiv	ve			Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Tinted				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
				Clear				Area=		-		m²	SC=		-	VLT=	-	%	ER=	-	%
	Double Glazing										Yes		No								
	External Shading	3									Yes		No								
Solar Radiatio	n through Glazing										0.00	W/m²									
Average Ab	corntivity (roof)											0.37									

1.60 W/m²

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

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof

RTTV Summary Sheet

																		r		-	
Address:	Residential Deve	elopment at I	Lo Fai Roac	, Tai Po,	New Terri	tories NT	L229 &223 (Tower 18) (with suns	hading)								BD Ref. No).	BD 2/90	60/17
Building Type:		Residential																			
RTTV calculated by			1. Regist	ered Pro	ofessiona	I Engine	ers														
			2. Archite	ect																	
			3. Others	, please	specify :																
No. of Storeys (Residential Units)		5																			
Table 1																					
							De	emed t	o Satis	sty RT	"V _{Wall}										
Facade Orientation Facing				NE					NW					SW					SE		
Average Absorptivity				0.37				().37				C).37					0.37		
Average Window to Wall R	atio			0.55				(0.35				C).17					0.45		
Shading Coefficient of Glaz	ing			0.46				(0.46				1	.03					0.46		
Average Shading Coefficier	nt of Facade			0.40				(0.46				C).93					0.31		
Visible Light Transmittance	: (%)			53					53					90					53		
External Reflectance (%)				16					16					8					16		
Table 2		-					-					-					-				
								I	rttv _w	all											
Facade Orientation				NE				1	NIXI					-w					SE.		
Facing				INE				1	N VV					5 VV					SE		
Wall Orientation Factor).924				C	.965				1	.092				1	.051		
Total External Wall			601.63	m²	Window	to Wall		173.33	m²	Window	to Wall		301.63	m²	Window	v to Wall		203.30	m²	Window	w to Wall
Area (Residential Onits)					Rd	110				r.c	10				Re	110				Re	atio
Total Window Area			330.93	m²	=	0.55		60.77	m²	-	0.35		51.80	m²	=	0.17		90.90	m²	=	0.45
Heat	Opaque		1.78	3		W/m ²		2.68			W/m ²		3.87			W/m ²		2.49)	4	W/m ²
Conduction	Wall			, ,				2.00					5107					2.17			
	Window		0.5	7		W/m²		0.38			W/m²		0.60			W/m²		0.52	2		W/m ²
Window	Glass Type		Area	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%):			Area (m ²⁾ =	SC=	VLT (%)=			Area (m ²⁾ =	SC=	VLT (%)-	=
			(m ²⁾ =																		
		Reflective	A	66	ER(%)=		Reflective	21	66	ER(%)=		Reflective		66	ER(%)=		Reflective	2)	66	ER(%)=	
			(m ²⁾ =	SC=	VLI (%)=			Area (m ⁻ '=	SC=	VLI (%):			Area (m ⁻ '=	SC=	VLI (%)=	-		Area (m ⁻ '=	SC=	VLI (%)=	-
		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=		Tinted			ER(%)=	
		\checkmark	Area	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	90	\checkmark	Area (m ²⁾ =	SC=	VLT(%)=	53
		0	(m ²⁾ =							<u> </u>											
	Daubla	Clear	330.93	0.46	ER(%)=	16	Clear	60.77	0.46	ER(%)=	16	Clear	51.80	1.03	ER(%)=	8	Clear	90.90	0.46	ER(%)=	16
	Glazing		res		INO			res		INO			res	V	INO			res		INO	
	, , , , , , , , , , , , , , , , , , ,																				
	External	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No	Overhang	\checkmark	Yes		No
	Shading	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No	Sidefin		Yes	\checkmark	No
Solar Radiation through			8 /	1		W/m ²	1	6 50	1		W/m ²	1	7 28			W/m ²		6.65	;		W/m ²
Glazing			0.4	•		w/////		0.50	, 		**/		7.20			**/111		0.05	,		**/
Average Absorptivity			0.3	7				0.37	'				0.37					0.37	7		
KTTVWall at each lacade			10.7	9		W/m²		9.56	i		W/m²		11.76	5		W/m²		9.66	5		W/m²
Overall RTTVWall											10.67	W/m²									
Table 3																					
								F		of											
Roof Orientation Factor												2.16									
Total Roof Area (Residentia	al Units)										464.98	2.10	m ²								
Total Skylight Area											0.00		m ²								
Heat	Roof										1.60		W/m ²								
Conduction	Skylight										0.00		W/m ²								
Skylight	Glass Type			Reflectiv	ve			Area=		-	0.00	m ²	sc=		-	VIT=		%	FR=		%
				Tinted				Area=				m ²	sc=			VIT=	-	%	FR=	-	%
				Clear				Area-		-		m ²	sc-		_	VIT-		%	FR-		%
	Double Glazing		1								Ves		No			1.2.2	-		1		
	External Shading	,									Ves		No								
Solar Radiation	a through Glazing		1								0.00	W/m ²									
	contivity (roof)	i	<u> </u>								0.00	0.37									
Average Abs	PTTVPcof		-								1 17	W/m ²									
Overall	rt i i VKOOT										1.1/										

 $\mathsf{ER} = \mathsf{External} \; \mathsf{Reflectance}; \mathsf{SC} = \mathsf{Shading} \; \mathsf{Coefficient} \; \& \; \mathsf{VLT} = \mathsf{Visible} \; \mathsf{Light} \; \mathsf{Transmittance}$

Notes :

1.Please tick in the box as appropriate

Overall RTTVRoof