



OTTV of Resident's Recreational Facilities Summary Sheet

PNAP
APP-156

Appendix **B**

Address: Residential Development at Lot No. 4056 in D.D. 120, Shap Pat Heung Road, Yuen Long - Gym Room		BD Ref. No. BD Ref 2 /9199/15				
Building Type / Use :		Resident's Recreational Facilities				
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify:				
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower				
No. of Storeys (RRF)		1				
Gross Floor Area		56.099 m ²				
Usable Floor Area		44.664 m ²				
Total External Wall Area (including windows)		188.16 m ²	Window to Wall Ratio = 1 : 3.19			
Total Window Area		59.03 m ²				
Total Skylight Area		0 m ²				
**Weighted Average U-value	Opaque Wall	1.60 W/m ²				
	Window	5.56 W/m ²				
	Opaque Roof	0.14 W/m ²				
	Skylight	W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Low Iron	Area= 27.62 m ²	SC= 1.00	VLT= 91 %	ER= 8 %
		<input checked="" type="checkbox"/> Clear	Area= 31.41 m ²	SC= 0.92	VLT= 87 %	ER= 5 %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.91				
	Roof	0.86				
**Weighted Average Density	Wall	645.75 kg/m ²				
	Roof	1294.80 kg/m ²				
OTTV _{RRF}	Wall	61.29 W/m ²				
	Roof	0.97 W/m ²				
	Overall Average	45.21 W/m ²				

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.

Address: Residential Development at Lot No. 4056 in D.D. 120, Shap Pat Heung Road, Yuen Long - Main Building		BD Ref. No. BD Ref 2 /9199/15				
Building Type / Use :		Resident's Recreational Facilities				
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify:				
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower				
No. of Storeys (RRF)		1				
Gross Floor Area		145.563 m ²				
Usable Floor Area		68.74 m ²				
Total External Wall Area (including windows)		264.03 m ²	Window to Wall Ratio = 1 : 11.76			
Total Window Area		22.45 m ²				
Total Skylight Area		0 m ²				
**Weighted Average U-value	Opaque Wall	1.80 W/m ²				
	Window	5.54 W/m ²				
	Opaque Roof	0.16 W/m ²				
	Skylight	W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Low Iron	Area= 13.82 m ²	SC= 1.00	VLT= 91 %	ER= 8 %
		<input checked="" type="checkbox"/> Clear	Area= 8.63 m ²	SC= 0.92	VLT= 87 %	ER= 5 %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No				
		<input type="checkbox"/> Yes <input type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.89				
	Roof	0.86				
**Weighted Average Density	Wall	508.45 kg/m ²				
	Roof	1222.94 kg/m ²				
OTTV _{RRF}	Wall	17.91 W/m ²				
	Roof	1.09 W/m ²				
	Overall Average	15.62 W/m ²				

Notes:
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 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.

Address: Residential Development at Lot No. 4056 in D.D. 120, Shap Pat Heung Road, Yuen Long - Function Room		BD Ref. No. BD Ref 2 /9199/15				
Building Type / Use :		Resident's Recreational Facilities				
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify:				
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower				
No. of Storeys (RRF)		1				
Gross Floor Area		96.744 m ²				
Usable Floor Area		66.426 m ²				
Total External Wall Area (including windows)		253.92 m ²	Window to Wall Ratio			
Total Window Area		55.22 m ²	= 1 : 4.60			
Total Skylight Area		0 m ²				
**Weighted Average U-value	Opaque Wall	1.57 W/m ²				
	Window	5.58 W/m ²				
	Opaque Roof	0.14 W/m ²				
	Skylight	W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Low Iron	Area= 15.96 m ²	SC= 1.00	VLT= 91 %	ER= 8 %
		<input checked="" type="checkbox"/> Clear	Area= 39.26 m ²	SC= 0.92	VLT= 87 %	ER= 5 %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.91				
	Roof	0.86				
**Weighted Average Density	Wall	698.80 kg/m ²				
	Roof	1294.80 kg/m ²				
OTTV _{RRF}	Wall	45.79 W/m ²				
	Roof	0.97 W/m ²				
	Overall Average	30.88 W/m ²				

Notes:

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** Weighted by area

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



OTTV of Resident's Recreational Facilities Summary Sheet

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Appendix B

Address: Residential Development at Lot No. 4056 in D.D. 120, Shap Pat Heung Road, Yuen Long - Kid's Room						BD Ref. No. BD Ref 2 /9199/15				
Building Type / Use : Resident's Recreational Facilities										
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify:								
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower								
No. of Storeys (RRF)		1								
Gross Floor Area		41.441 m ²								
Usable Floor Area		33.937 m ²								
Total External Wall Area (including windows)		136.46 m ²		Window to Wall Ratio = 1 : 7.49						
Total Window Area		18.21 m ²								
Total Skylight Area		0 m ²								
**Weighted Average U-value	Opaque Wall	1.74 W/m ²								
	Window	5.53 W/m ²								
	Opaque Roof	0.14 W/m ²								
	Skylight	W/m ²								
Window	Glass Type	<input type="checkbox"/> Reflective	Area=	m ²	SC=	VLT=	%	ER=	%	
		<input checked="" type="checkbox"/> Low Iron	Area=	13.79 m ²	SC=	1.00	VLT=	91 %	ER=	8 %
		<input checked="" type="checkbox"/> Clear	Area=	4.42 m ²	SC=	0.92	VLT=	87 %	ER=	5 %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area=	m ²	SC=	VLT=	%	ER=	%	
		<input type="checkbox"/> Tinted	Area=	m ²	SC=	VLT=	%	ER=	%	
		<input type="checkbox"/> Clear	Area=	m ²	SC=	VLT=	%	ER=	%	
	Double Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No								
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No								
**Weighted Average Absorptivity	Wall	0.90								
	Roof	0.86								
**Weighted Average Density	Wall	580.74 kg/m ²								
	Roof	1294.80 kg/m ²								
OTTV _{RRF}	Wall	27.84 W/m ²								
	Roof	0.97 W/m ²								
	Overall Average	20.22 W/m ²								

Notes:

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 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.