

2/8254/17 (VI)

(71)



OTTV of Resident's Recreational Facilities Summary Sheet

PNAP
APP-156
Appendix B

Address: Junction of Chong San Road and Science Park Road, Pak Shek Kok, Tai Po, New Territories, TPTL245		BD Ref. No. 2/9256/17				
Building Type / Use :		Resident's Recreational Facilities				
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:				
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower				
No. of Storeys (RRF)		G/F				
Gross Floor Area		15,183.02 m ²				
Usable Floor Area		N.A. m ²				
Total External Wall Area (including windows)		85.17 m ²				
Total Window Area		52.73 m ²				
Total Skylight Area		N.A. m ²				
**Weighted Average U-value	Opaque Wall	1.618 W/m ²				
	Window	1.790 W/m ²				
	Opaque Roof	N.A. W/m ²				
	Skylight	N.A. W/m ²				
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 52.73 m ²	SC= 0.39	VLT= 50 %	ER= 18 %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Clear	Area= m ²	SC=	VLT= %	ER= %
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
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				
**Weighted Average Absorptivity	Wall	0.58				
	Roof	N.A.				
**Weighted Average Density	Wall	500 kg/m ²				
	Roof	N.A. kg/m ²				
OTTV _{RRF}	Wall	34.20 W/m ²				
	Roof	N.A. W/m ²				
	Overall Average	34.20 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: Junction of Chong San Road and Science Park Road, Pak Shek Kok, Tai Po, New Territories, TPTL245		BD Ref. No. 2/9256/17	
Building Type / Use :		Resident's Recreational Facilities	
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input checked="" type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify:	
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower	
No. of Storeys (RRF)		G/F, 1/F - 17/F (4/F & 14/F omitted) and R/F	
Gross Floor Area		15,183.02	m ²
Usable Floor Area		N.A.	m ²
Total External Wall Area (including windows)		1,261.19	m ²
Total Window Area		429.72	m ²
Total Skylight Area		37.00	m ²
**Weighted Average U-value	Opaque Wall	1.62	W/m ²
	Window	Refer to attachment for U-value of different glass types	
	Opaque Roof	0.49	W/m ²
	Skylight	4.61	W/m ²
Window	Glass Type	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input type="checkbox"/> Clear	Refer to attachment for the summary of different glass types
	Double Glazing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	External Shading	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Skylight	Glass Type	<input type="checkbox"/> Reflective <input type="checkbox"/> Tinted <input checked="" type="checkbox"/> Clear	Area= m² GC= VLT= % ER= % Area= m² SC= VLT= % ER= % Area= 37.00 m ² SC= 0.77 VLT= 81 % ER= 7 %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
**Weighted Average Absorptivity	Wall	0.58	
	Roof	0.86	
**Weighted Average Density	Wall	500 kg/m ²	
	Roof	716 kg/m ²	
OTTV _{RRF}	Wall	45.52 W/m ²	
	Roof	18.81 W/m ²	
	Overall Average	38.18 W/m ²	

Notes:

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VLT = Visible Light Transmittance

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