

OTTV of Resident's Recreational Facilities Summary Sheet

Address: T. M. T. L. No. 549, 2 King San Lane, Tuen Mun, N.T.		BD Ref. No. 2/19226/19				
Building Type / Use :		Resident's Recreational Facilities				
OTTV calculated by		<input checked="" type="checkbox"/> 1. Registered Professional Engineers				
		<input 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)		1				
Gross Floor Area		31.078 m <sup>2</sup>				
Usable Floor Area		20.921 m <sup>2</sup>				
Total External Wall Area (including windows)		82.35 m <sup>2</sup>				
Total Window Area		26.92 m <sup>2</sup>				
Total Skylight Area		m <sup>2</sup>				
**Weighted Average U-value		Window to Wall Ratio				
Opaque Wall		26.92 / 82.35 = 0.327				
Window		m <sup>2</sup>				
Opaque Roof		m <sup>2</sup>				
Skylight		W/m <sup>2</sup>				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Clear	Area= 18.94 m <sup>2</sup>	SC= 0.9	VLT= 72 %	ER= 7 %
	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 <sup>2</sup>	SC=	VLT= %
<input type="checkbox"/> Tinted			Area= m <sup>2</sup>	SC=	VLT= %	ER= %
<input type="checkbox"/> Clear			Area= m <sup>2</sup>	SC=	VLT= %	ER= %
Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No				
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No				
Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.8				
**Weighted Average Density	Roof					
	Wall	850.8 kg/m <sup>2</sup>				
OTTV <sub>RRF</sub>	Roof					
	Wall	47.73 W/m <sup>2</sup>				
	Overall Average	47.73 W/m <sup>2</sup>				

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

\*\* Weighted by area

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.