

OTTV of Resident's Recreational Facilities Summary Sheet

Address: Residential & Commercial Development at 5-17 Western Street, Sai Ying Pun, Hong Kong		BD Ref. No.				
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)		2				
Gross Floor Area		m ²				
Usable Floor Area		515.61 m ²				
Total External Wall Area (including windows)		1262.97 m ²		Window to Wall Ratio		
Total Window Area		247.63 m ²		= 1 : 5.1		
Total Skylight Area		0.00 m ²				
**Weighted Average U-value	Opaque Wall	2.85		W/m ²		
	Window	5.54		W/m ²		
	Opaque Roof	0.5656		W/m ²		
	Skylight	0.00		W/m ²		
Window	Glass Type	<input checked="" type="checkbox"/> GL-4	Area= 58.19 m ²	SC= 0.57	VLT= 52 %	ER= 16 %
		<input checked="" type="checkbox"/> GL-4A	Area= 14.57 m ²	SC= 0.6	VLT= 51 %	ER= 15 %
		<input checked="" type="checkbox"/> GL-9	Area= 54.49 m ²	SC= 0.6	VLT= 52 %	ER= 15 %
		<input checked="" type="checkbox"/> GL-2	Area= 120.38 m ²	SC= 0.57	VLT= 52 %	ER= 16 %
	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 checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.83				
	Roof	0.8945				
**Weighted Average Density	Wall	1103.77 kg/m ²				
	Roof	1784.03 kg/m ²				
OTTV _{RRF}	Wall	18.81 W/m ²				
	Roof	4.00 W/m ²				
	Overall Average	17.07 W/m ²				

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.