

OTTV of Resident's Recreational Facilities Summary Sheet

Address: Proposed Residential Development at STTL 610 Tai Po Road, Shatin				BD Ref. No. BD 2/9153/16		
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)		3				
Gross Floor Area		410.374 m ²				
Usable Floor Area		209.985 m ²				
Total External Wall Area (including windows)		510.00 m ²		Window to Wall Ratio		
Total Window Area		260.00 m ²		= 0.51		
Total Skylight Area		0 m ²				
**Weighted Average U-value	Opaque Wall	1.51 W/m ²				
	Window	5.28 W/m ²				
	Opaque Roof	0.55 W/m ²				
	Skylight	0 W/m ²				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Tinted	Area= 260m ²	SC= 0.66	VLT= 51 %	ER= 5 %
		<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	0.80				
	Roof	0.162				
**Weighted Average Density	Wall	411 kg/m ²				
	Roof	480 kg/m ²				
OTTV _{RRF}	Wall	55.30 W/m ²				
	Roof	3.75 W/m ²				
	Overall Average	44.70 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.