

OTTV of Resident's Recreational Facilities Summary Sheet

Date : 28 September 2019

Address : No. 18 and 20 Caine Road, Hong Kong		BD Ref. No. BD/2062/07								
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		716.254 m ²								
Usable Floor Area		259.53 m ²								
Tower External Wall Area (including windows)		830.26 m ²		Window to Wall Ratio						
Total Window Area		221.41 m ²		1 = 3.75						
Total Skylight Area		0 m ²								
**Weighted Average U-value	Opaque Wall	2.298 W/m ²								
	Window	5.077 W/m ²								
	Opaque Roof	0.406 W/m ²								
	Skylight	0 W/m ²								
Window	Glass Type	<input type="checkbox"/> Reflective	Area=	m ²	SC=	VLT=	%	ER=	%	
		<input type="checkbox"/> Tinted	Area=	m ²	SC=	VLT=50%		ER=20%		
		<input checked="" type="checkbox"/> Clear (F1)	Area=	212.37m ²	SC=0.91	VLT=87%		ER=8%		
		<input checked="" type="checkbox"/> Clear(F2)	Area=	9.04m ²	SC=0.88	VLT=86%		ER=8%		
	Double Glazing	<input type="checkbox"/> Yes <input checked="" 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								
	Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No								
**Weight Average Absorptivity	Wall	0.738								
	Roof	0.65								
**Weighted Average Density	Wall	2568.84 kg/m ²								
	Roof	2100 kg/m ²								
OTTV _{RRF}	Wall	43.21 W/m ²								
	Roof	2.57 W/m ²								
	Overall average	37.17 W/m ²								

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

** Weighted by area

Note :

1. Please tick in the box as appropriate
2. Window and skylight data should be represent the major proportion of its use in the development.