

### OTTV of Resident's Recreational Facilities Summary Sheet

Address: PROPOSED DETACHED BUILDING AT NO. 18 MOSQUE STREET, MID-LEVELS, HONG KONG IL 58 S.A ss.1 S.B & S.E, IL 58 S.A ss.1 S.A & S.D & IL 58 S.A ss.1 RP & S.C				BD Ref. No. 2/2022/12		
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		m <sup>2</sup>				
Usable Floor Area		m <sup>2</sup>				
Total External Wall Area (including windows)		302.55	m <sup>2</sup>	Window to Wall Ratio		
Total Window Area		736.55	m <sup>2</sup>	1 = 4.11		
Total Skylight Area		2.00 m <sup>2</sup>				
**Weighted Average U-value	Opaque Wall	2.13 W/m <sup>2</sup>				
	Window	N/A W/m <sup>2</sup>				
	Opaque Roof	N/A W/m <sup>2</sup>				
	Skylight	N/A W/m <sup>2</sup>				
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup>	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Tinted	Area= m <sup>2</sup> 2.93	SC= 0.78	VLT= 63 %	ER= 6 %
		<input type="checkbox"/> Clear	Area= m <sup>2</sup>	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 Siding <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Skylight	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 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				
**Weighted Average Absorptivity	Wall	0.54				
	Roof	N/A				
**Weighted Average Density	Wall	552.37 kg/m <sup>2</sup>				
	Roof	N/A kg/m <sup>2</sup>				
OTTV <sub>RRF</sub>	Wall	19.02 W/m <sup>2</sup>				
	Roof	N/A W/m <sup>2</sup>				
	Overall Average	19.02 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.