OTTV of Resident's Recreational Facilities Summary Sheet

Address:	Proposed Composite Building at 42 Tung Street, Central, Hong Kong				BD Ref. No.	BD 2/2015/17
Building Type	Resident's Recreational Facilities					
OTTV calculated by	☐ 1. Registered Professional Engineers ☑ 2. Architect ☐ 3. Other*, please specify :					
Classification	☐ Podium / ☑ Tower					
No. of Storeys (RRF)	**1 (20/F)**					
Gross Floor Area	**78.399** m^2					
Usable Floor Area	**29.967** m^2					
Total External Wall Area (including windows)	**158.680** m^2			window to wall ratio		
Total Window Area	**38.042** m^2			0.240		
Total Skylight Area	**-** m^2					
*Weighted Average U-value (W/m^2K)	Opaque Wall	**2.548** W/m^2K				
	Window	**1.786** W/m^2K				
	Opaque Roof	**N/A** W/m^2K				
	Skylight	**N/A** W/m^2K				
Window	Glass Type	☐ Reflective	Area= m^2	SC=	VLT= %	ER= %
		☑ Tinted	Area= 38.042 m^2	SC= See below (#)	VLT= See below (#)	ER= See below (#)
		☐ Clear	Area= m^2	SC=	VLT= %	ER= %
	Double Glazing	☑ YES ☐ NO				
	External Shading	Overhang	☐ YES ☑ NO			
		Sidefin	☐ YES ☑ NO			
Skylight	Glass Type	☐ Reflective	Area= m^2	SC=	VLT= %	ER= %
		☐ Tinted	Area= m^2	SC=	VLT= %	ER= %
		☐ Clear	Area= m^2	SC=	VLT= %	ER= %
	Double Glazing	☐ YES ☐ NO				
	External Shading	Overhang	☐ YES ☐ NO			
		Sidefin	☐ YES ☐ NO			
**Weighted Average Absorptivity	Wall	**0.33**				
	Roof	**N/A**				
**Weighted Average Density	Wall	**560** kg/m^2				
	Roof	**N/A** kg/m^2				
OTTV	Wall	**16.03** W/m^2				
	Roof	**-** W/m^2				
	Overall average	**16.03** 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.

Detailed Glazing Properties

Glazing	SC	VLT	ER
GL-203	0.32	51%	14%
GL-403	0.98	64.8%	6.7%
GL-501	0.33	53%	15%