

OTTV Summary Sheet

OTTV of Residents' Recreational Facilities Summary Sheet

Address:		Tuen Mun Town Lot No.547, Castle Peak Road - Castle Peak Bay, Area 48, Tuen Mun (Podium & Basement)		BD Ref. No. 2/9197/16	
Building Type		<input type="checkbox"/> 1. Hotel <input type="checkbox"/> 2. Office (including industrial/office) <input type="checkbox"/> 3. Shops <input checked="" type="checkbox"/> 4. Others*, please specify : Residential Building (with commercial use podium)			
OTTV calculated by		<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical) <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify :			
Classification		Podium		Tower	
Designated Use		<input type="checkbox"/> 1. Shops <input type="checkbox"/> 4. Cinema <input type="checkbox"/> 2. Offices <input type="checkbox"/> 5. Plant Rooms <input type="checkbox"/> 3. Restaurants <input checked="" type="checkbox"/> 6. Others		<input type="checkbox"/> 1. Office <input type="checkbox"/> 2. Hotel Rooms <input type="checkbox"/> 3. Others	
No. of Storeys (excluding ground floor)		2			
Gross Floor Area		m <sup>2</sup>		m <sup>2</sup>	
Usable Floor Area		m <sup>2</sup>		m <sup>2</sup>	
Total External Wall Area (including windows)		943.55 m <sup>2</sup>		m <sup>2</sup>	
Total Window Area		591.81 m <sup>2</sup>		m <sup>2</sup>	
Total Skylight Area		m <sup>2</sup>		m <sup>2</sup>	
*Weighted Average U-value (W/m <sup>2</sup> K)	Opaque Wall	2.82 W/m <sup>2</sup> K		W/m <sup>2</sup> K	
	Window	5.18 W/m <sup>2</sup> K		W/m <sup>2</sup> K	
	Opaque Roof	0.66 W/m <sup>2</sup> K		W/m <sup>2</sup> K	
	Skylight	W/m <sup>2</sup> K		W/m <sup>2</sup> K	
Window	Glass Type	<input type="checkbox"/> Reflective, Area = m <sup>2</sup> , SC= VLT =		<input type="checkbox"/> Reflective, Area = m <sup>2</sup> , SC= VLT =	
		<input type="checkbox"/> Tinted, Area = m <sup>2</sup> , SC= VLT =		<input type="checkbox"/> Tinted, Area = m <sup>2</sup> , SC= VLT =	
		<input checked="" type="checkbox"/> Clear, Area = 591.81 m <sup>2</sup> , SC= 0.65 VLT = 47%		<input type="checkbox"/> Clear, Area = m <sup>2</sup> , SC= VLT =	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Overhang <input type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input type="checkbox"/> No	
Skylight	Glass Type	<input type="checkbox"/> Reflective, Area = m <sup>2</sup> , SC= VLT =		<input type="checkbox"/> Reflective, Area = m <sup>2</sup> , SC= VLT =	
		<input type="checkbox"/> Tinted, Area = m <sup>2</sup> , SC= VLT =		<input type="checkbox"/> Tinted, Area = m <sup>2</sup> , SC= VLT =	
		<input type="checkbox"/> Clear, Area = m <sup>2</sup> , SC= VLT =		<input type="checkbox"/> Clear, Area = m <sup>2</sup> , SC= VLT =	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
**Weighted Average Absorptivity	Wall	0.75			
	Roof	0.6822			
**Weighted Average Density	Wall	445.48 kg/m <sup>2</sup>		kg/m <sup>2</sup>	
	Roof	516.75 kg/m <sup>2</sup>		kg/m <sup>2</sup>	
OTTV	Wall	61.94 W/m <sup>2</sup>		W/m <sup>2</sup>	
	Roof	1.56 W/m <sup>2</sup>		W/m <sup>2</sup>	
	Overall average	55.26 W/m <sup>2</sup>		W/m <sup>2</sup>	
Additional information / views on energy efficiency control :					

SC = Shading Coefficient

VLT = Visible Light Transmittance

\*Other commercial buildings may include : department stores, places of public entertainment, places of public assembly, restaurants etc.

\*\*Weighted by area

Note :

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