

**OTTV Summary Sheet**

Address : Proposed office development at No. 18 Tai Chung Road, Tsuen Wan, Hong Kong, D.D. 355, Lot No. 322		BD Ref. No.	
Building Type	<input type="checkbox"/> 1. Hotel		
	<input checked="" type="checkbox"/> 2. Office (including industrial/office)		
	<input type="checkbox"/> 3. Shops		
	<input type="checkbox"/> 4. Others*, please specify :		
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 checked="" type="checkbox"/> 1. Shops	<input type="checkbox"/> 4. Cinema	<input type="checkbox"/> 1. Office
	<input checked="" type="checkbox"/> 2. Offices	<input type="checkbox"/> 5. Plant Rooms	<input type="checkbox"/> 2. Hotel Rooms
	<input type="checkbox"/> 3. Restaurants	<input type="checkbox"/> 6. Others	<input type="checkbox"/> 3. Others
No. of Storeys (excluding ground floor)	2		18
Gross Floor Area	842.495 m <sup>2</sup>		14927.24 m <sup>2</sup>
Usable Floor Area	224.474 m <sup>2</sup>		11473.52 m <sup>2</sup>
Total External Wall Area (including windows)	1752 m <sup>2</sup>	window to wall ratio	6586.03 m <sup>2</sup>
Total Window Area	0 m <sup>2</sup>	=	1711.8 m <sup>2</sup>
Total Skylight Area	0 m <sup>2</sup>		= 1 : 3.85
*Weighted Average U-value (W/m <sup>2</sup> K)	Opaque Wall	1.66 W/m <sup>2</sup> K	1.37 W/m <sup>2</sup> K
	Window	0 W/m <sup>2</sup> K	4.66 W/m <sup>2</sup> K
	Opaque Roof	0.9 W/m <sup>2</sup> K	0.94 W/m <sup>2</sup> K
	Skylight	0 W/m <sup>2</sup> K	0 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 checked="" 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 type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	External Shading	Overhang	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sidefin		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" 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 =
	Doubling Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
**Weighted Average Absorptivity	Wall	0.54	0.86
	Roof	0.65	0.65
**Weighted Average Density	Wall	374.6 kg/m <sup>2</sup>	343.6 kg/m <sup>2</sup>
	Roof	497.34 kg/m <sup>2</sup>	495.42 kg/m <sup>2</sup>
OTTV	Wall	4.29 W/m <sup>2</sup>	8.53 W/m <sup>2</sup>
	Roof	5.68 W/m <sup>2</sup>	5.98 W/m <sup>2</sup>
	Overall average	4.57 W/m <sup>2</sup>	8.47 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.