

OTTV of Resident's Recreational Facilities Summary Sheet

Address: <i>Proposed Residential Development at Sea Tin Tam Lot No. 587</i>		BD Ref. No. <i>2/19062/15</i>				
Building Type/Use :		Resident's Recreational Facilities				
OTTV calculated by		<input 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)		<i>4</i>				
Gross Floor Area		m ²				
Usable Floor Area		m ²				
Total External Wall Area (including windows)		<i>777.28</i> m ²	Window to Wall Ratio = <i>0.299</i>			
Total Window Area		<i>232.38</i> m ²				
Total Skylight Area		<i>7.66</i> m ²				
**Weighted Average U-value	Opaque Wall	<i>2.35</i> W/m ²				
	Window	<i>4.98</i> W/m ²				
	Opaque Roof	<i>2.12</i> W/m ²				
	Skylight	<i>4.98</i> 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= %	ER= %
		<input checked="" type="checkbox"/> Clear	Area= m ² <i>232.38</i>	SC= <i>0.86</i>	VLT= % <i>84</i>	ER= % <i>7</i>
	Double Glazing	<input type="checkbox"/> Yes <input checked="" 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				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area= m ²	SC=	VLT= %	ER= %
		<input type="checkbox"/> Tinted	Area= m ²	SC=	VLT= %	ER= %
		<input checked="" type="checkbox"/> Clear	Area= m ² <i>7.66</i>	SC= <i>0.86</i>	VLT= % <i>84</i>	ER= % <i>7</i>
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	<i>0.582</i>				
	Roof	<i>0.266</i>				
**Weighted Average Density	Wall	<i>341.7</i>	kg/m ²			
	Roof	<i>532.1</i>	kg/m ²			
OTTV _{RRF}	Wall	<i>43.26</i>	W/m ²			
	Roof	<i>11.51</i>	W/m ²			
	Overall Average	<i>34.85</i>	W/m ²			

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

** Weighted by area

Notes :

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

APP-156
SC(B)
≤ 56 W/m²