

OTTV of Resident's Recreational Facilities Summary Sheet

Address: Proposed Residential & Commercial Development on T.M.T.L. No. 539, Hoi Wing Road and Hang Fu Street, Area 16, Tuen Mun, N.T.		BD Ref. No.	
Building Type / Use :		Resident's Recreational Facilities (FOR 2/F RRF AT TOWER 1)	
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify: BEAM Consultant	
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower	
No. of Storeys (RRF)		1	
Gross Floor Area		27,807 m ²	
Usable Floor Area		m ²	
Total External Wall Area (including windows)		918.72 m ²	Window to Wall Ratio = 0.44
Total Window Area		400.73 m ²	
Total Skylight Area		- m ²	
**Weighted Average U-value	Opaque Wall	2.14	W/m ²
	Window	-	W/m ²
	Opaque Roof	0.46	W/m ²
	Skylight	-	W/m ²
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 400.73 m ² SC= 0.74-0.94 VLT= 81-88 % ER= 6-16 %
		<input type="checkbox"/> Tinted	Area= m ² SC= VLT= % ER= %
		<input type="checkbox"/> Clear	Area= m ² 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 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 type="checkbox"/> Clear	Area= m ² SC= VLT= % ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
**Weighted Average Absorptivity	Wall	0.58	
	Roof	0.65	
**Weighted Average Density	Wall	497.22	kg/m ²
	Roof	496.00	kg/m ²
OTTV _{RRF}	Wall	60	W/m ²
	Roof	2.89	W/m ²
	Overall Average	49.77	W/m ²

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

** Weighted by area

Window and skylight data should represent the major proportion of its use in the development.

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Building Type / Use :		Resident's Recreational Facilities (FOR 2/F RRF AT TOWER 2)	
OTTV calculated by		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input checked="" type="checkbox"/> 3. Others, please specify: BEAM Consultant	
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower	
No. of Storeys (RRF)		1	
Gross Floor Area		27,807 m ²	
Usable Floor Area		m ²	
Total External Wall Area (including windows)		290.29 m ²	Window to Wall Ratio = 0.26
Total Window Area		76.67 m ²	
Total Skylight Area		- m ²	
**Weighted Average U-value	Opaque Wall	2.07	W/m ²
	Window	-	W/m ²
	Opaque Roof	0.457	W/m ²
	Skylight	-	W/m ²
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 76.67 m ² SC= 0.74-0.94 VLT= 81-88 % ER= 6-16 %
		<input type="checkbox"/> Tinted	Area= m ² SC= VLT= % ER= %
		<input type="checkbox"/> Clear	Area= m ² 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 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 type="checkbox"/> Clear	Area= m ² SC= VLT= % ER= %
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
**Weighted Average Absorptivity	Wall	0.58	
	Roof	0.65	
**Weighted Average Density	Wall	580.51	kg/m ²
	Roof	496.00	kg/m ²
OTTV _{RRF}	Wall	38	W/m ²
	Roof	2.89	W/m ²
	Overall Average	29.22	W/m ²

Notes:

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