



OTTV of Resident's Recreational Facilities Summary Sheet

PNAP
APP-156
Appendix B

Address: Proposed Residential Development at New Kowloon Inland Lot No. 6567, Kai Tak, Kowloon		BD Ref. No. BD 2/4048/17 (Pt.V)	
Building Type / Use :		Resident's Recreational Facilities (Under Tower 1)	
OTTV calculated by		<input checked="" 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)		3	
Gross Floor Area		m ²	
Usable Floor Area		m ²	
Total External Wall Area (including windows)		1474.3 m ²	Window to Wall Ratio = 0.85
Total Window Area		678.2 m ²	
Total Skylight Area		/	m ²
**Weighted Average U-value	Opaque Wall	4.363	W/m ²
	Window	1.64	W/m ²
	Opaque Roof	0.390	W/m ²
	Skylight	/	W/m ²
Window	Glass Type	<input type="checkbox"/> Reflective F10	Area= 678.2 m ² SC= 0.34 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	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Skylight (N/A)	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 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	0.778	
	Roof	0.300	
**Weighted Average Density	Wall	283.8	kg/m ²
	Roof	565.0	kg/m ²
OTTV _{RRF}	Wall	33.39	W/m ²
	Roof	1.16	W/m ²
	Overall Average	29.41	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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Address: Proposed Residential Development at New Kowloon Inland Lot No. 6567, Kai Tak, Kowloon		BD Ref. No. BD 2/4048/17 (Pt.V)	
Building Type / Use :		Resident's Recreational Facilities (Under Tower 2)	
OTTV calculated by		<input checked="" 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)		3	
Gross Floor Area		m ²	
Usable Floor Area		m ²	
Total External Wall Area (including windows)		958.2 m ²	Window to Wall Ratio = 0.76
Total Window Area		415.1 m ²	
Total Skylight Area		/	m ²
**Weighted Average U-value	Opaque Wall	4.426	W/m ²
	Window	1.64	W/m ²
	Opaque Roof	0.390	W/m ²
	Skylight	/	W/m ²
Window	Glass Type	<input type="checkbox"/> Reflective F10	Area= 415.1 m ² SC= 0.34 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	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Skylight (N/A)	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 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	0.768	
	Roof	0.300	
**Weighted Average Density	Wall	273.9 kg/m ²	
	Roof	565.0 kg/m ²	
OTTV _{RRF}	Wall	26.92 W/m ²	
	Roof	1.16 W/m ²	
	Overall Average	24.32 W/m ²	

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Address: Proposed Residential Development at New Kowloon Inland Lot No. 6567, Kai Tak, Kowloon		BD Ref. No. BD 2/4048/17 (Pt.V)	
Building Type / Use :		Resident's Recreational Facilities (Commercial Block)	
OTTV calculated by		<input checked="" 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)		2	
Gross Floor Area		m ²	
Usable Floor Area		m ²	
Total External Wall Area (including windows)		858.8 m ²	Window to Wall Ratio = 1.13
Total Window Area		455.4 m ²	
Total Skylight Area		m ²	
**Weighted Average U-value	Opaque Wall	5.664	W/m ²
	Window	1.64	W/m ²
	Opaque Roof	0.390	W/m ²
	Skylight	/	W/m ²
Window	Glass Type	<input type="checkbox"/> Reflective F10	Area= 455.4 m ² SC= 0.34 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	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Skylight (N/A)	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 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	0.543	
	Roof	0.300	
**Weighted Average Density	Wall	84.1	kg/m ²
	Roof	565.0	kg/m ²
OTTV _{RRF}	Wall	32.73	W/m ²
	Roof	1.16	W/m ²
	Overall Average	28.26	W/m ²

Notes:

ER = External Reflectance

SC = Shading Coefficient

VLT = Visible Light Transmittance

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