



OTTV of Resident's Recreational Facilities Summary Sheet



Address: Proposed Residential Development at To Shek Street, Sha Tin, NT (Clubhouse)						BD Ref. No. 2/9183/16	
Building Type / Use :		Clubhouse					
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)		5 (GF – 5F)					
Gross Floor Area		1814.042 m ²					
Usable Floor Area		845 m ²					
Total External Wall Area (including windows)		25267 m ²		Window to Wall Ratio			
Total Window Area		24485 m ²		= 0.97			
Total Skylight Area							
**Weighted Average U-value	Opaque Wall	3.88 W/m ²					
	Window	5.17 W/m ²					
	Opaque Roof	0.55 W/m ²					
	Skylight						
Window	Glass Type	<input checked="" type="checkbox"/> Reflective	Area= 24485	m ²	SC= 0.63	VLT= 49 %	ER= 14 %
		<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	0.98					
	Roof	0.85					
**Weighted Average Density	Wall	425.25 kg/m ³					
	Roof	215.75 kg/m ³					
OTTV _{RRF}	Wall	50.6 W/m ²					
	Roof	6.27 W/m ²					
	Overall Average	29.39 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.