



OTTV of Resident's Recreational Facilities Summary Sheet

PNAP
APP-156
Appendix **B**

Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225		BD Ref. No. 9059/15			
Building Type / Use :		Resident's Recreational Facilities			
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)		1 Storey (Main Clubhouse)			
Gross Floor Area		2649.93 m ²			
Usable Floor Area		1528.87 m ²			
Total External Wall Area (including windows)		912.47 m ²			
Total Window Area		538.24 m ²			
Total Skylight Area		42.00 m ²			
**Weighted Average U-value	Opaque Wall	2.28 W/m ²			
	Window	Window Code G01: 5.65 W/m², G05: 5.06 W/m², G06: 2.95 W/m²			
	Opaque Roof	1.04 W/m ²			
	Skylight	5.11 W/m ²			
Window	Glass Type	<input checked="" type="checkbox"/> Insulating Glass Units (G06) Area= 307.83 m ² SC= 0.82 VLT= 78 % ER= 14 % <input checked="" type="checkbox"/> Clear Glass (G01) Area= 6.99 m ² SC= 0.89 VLT= 87 % ER= 8 % <input checked="" type="checkbox"/> Clear Glass (G05) Area= 223.41 m ² SC= 0.89 VLT= 86 % ER= 8 %	Window to Wall Ratio = 0.59		
	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 checked="" type="checkbox"/> Laminated Glass (G10a) Area= 42.00 m ² SC= 0.73 VLT= 80 % ER= 8 % <input type="checkbox"/> Clear Area= m ² SC= VLT= % ER= %		
		Double Glazing	<input checked="" type="checkbox"/> Yes <input 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	0.86			
**Weighted Average Density	Wall	490 kg/m ²			
	Roof	493 kg/m ²			
OTTV _{RRF}	Wall	86.19 W/m ²			
	Roof	16.50 W/m ²			
	Overall Average	49.78 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.

Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225		BD Ref. No. 9059/15				
Building Type / Use :		Resident's Recreational Facilities				
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)		1 Storey (Director House)				
Gross Floor Area		157.32 m ²				
Usable Floor Area		139.25 m ²				
Total External Wall Area (including windows)		260.16 m ²	Window to Wall Ratio = 0.41			
Total Window Area		106.09 m ²				
Total Skylight Area		0.00 m ²				
**Weighted Average U-value	Opaque Wall	2.28 W/m ²				
	Window	Window Code G03: 4.98 W/m², G04: 5.65 W/m², G05: 5.06 W/m²				
	Opaque Roof	1.04 W/m ²				
	Skylight	W/m ²				
Window	Glass Type	<input checked="" type="checkbox"/> Clear Glass (G03)	Area= 44.01 m ²	SC= 0.88	VLT= 85 %	ER= 8 %
		<input checked="" type="checkbox"/> Clear Glass (G04)	Area= 56.54 m ²	SC= 0.89	VLT= 87 %	ER= 8 %
		<input checked="" type="checkbox"/> Clear Glass (G05)	Area= 5.54 m ²	SC= 0.89	VLT= 86 %	ER= 8 %
	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	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	0.58				
	Roof	0.86				
**Weighted Average Density	Wall	490 kg/m ²				
	Roof	493 kg/m ²				
OTTV _{RRF}	Wall	64.21 W/m ²				
	Roof	8.76 W/m ²				
	Overall Average	43.04 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.