



OTTV of Resident's Recreational Facilities Summary Sheet

PNAP
APP-156
Appendix **B**

Address: Proposed composite development at 65-71 Main street, Ap Lei Chau		BD Ref. No.				
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)		3				
Gross Floor Area		36.88 m ²				
Usable Floor Area		m ²				
Total External Wall Area (including windows)		1008.72 m ²				
Total Window Area		60.09 m ²				
Total Skylight Area		0 m ²				
**Weighted Average U-value	Opaque Wall	1.52 W/m ²				
	Window	5.13 W/m ²				
	Opaque Roof	1.96 W/m ²				
	Skylight	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= 60.09 m ²	SC= 0.68	VLT= 50 %	ER= 6 %
	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 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	0.65				
	Roof	0.66				
**Weighted Average Density	Wall	477.1 kg/m ²				
	Roof	558.2 kg/m ²				
OTTV _{RRF}	Wall	5.37 W/m ²				
	Roof	4.56 W/m ²				
	Overall Average	8.2 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.

< 50