



OTTV of Resident's Recreational Facilities
Summary Sheet

PNAP
APP-156
Appendix B

Address:		138 Carpenter Road				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"/> Padium / <input type="checkbox"/> Tower								
No. of Storeys (RRF)		1								
Gross Floor Area		92.88		m ²						
Usable Floor Area		126.6		m ²						
Total External Wall Area (including windows)		197.47		m ²		Window to Wall Ratio				
Total Window Area		123.71		m ²		= 0.626				
Total Skylight Area		0		m ²						
**Weighted Average U-value	Opaque Wall	2.16		W/m ²						
	Window	1.82		W/m ²						
	Opaque Roof	4.46		W/m ²						
	Skylight	0		W/m ²						
Window	Glass Type	<input type="checkbox"/> Reflective	Area=	m ²	SC=	VLT=	%	ER=	%	
		<input checked="" type="checkbox"/> Tinted	Area= 36.19	m ²	SC= 0.65	VLT= 50	%	ER= 4	%	
		<input checked="" type="checkbox"/> Clear	Area= 87.52	m ²	SC= 0.46	VLT= 52	%	ER= 17	%	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
	External Shading	Overhang	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
		Sidfin	<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	0.9								
	Roof	0.9								
**Weighted Average Density	Wall	2500		kg/m ²						
	Roof	1860		kg/m ²						
OTTV _{RRF}	Wall	61.22		W/m ²						
	Roof	20.11		W/m ²						
	Overall Average	48.35		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.