



OTTV of Resident's Recreational Facilities  
Summary Sheet

PNAP  
APP-156  
Appendix B

Address: <i>Proposed Composite Development at Nos. 78 to Midstone Road, and Lok Shan Road, Kowloon, Hong Kong.</i>		BD Ref. No. <i>2/4031/15</i>	
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)			
Gross Floor Area		<i>61.098</i> m <sup>2</sup>	
Usable Floor Area		<i>73.705</i> m <sup>2</sup>	
Total External Wall Area (including windows)		<i>368.15</i> m <sup>2</sup>	
Total Window Area		<i>45.45</i> m <sup>2</sup>	
Total Skylight Area			
**Weighted Average U-value			
Opaque Wall		<i>1.798</i> W/m <sup>2</sup>	
Window		<i>7.014</i> W/m <sup>2</sup>	
Opaque Roof		<i>0.54</i> W/m <sup>2</sup>	
Skylight			
Window			
Glass Type		<input type="checkbox"/> Reflective    Area=    m <sup>2</sup> SC=       VLT=    %    ER=    % <input type="checkbox"/> Tinted        Area=    m <sup>2</sup> SC=       VLT=    %    ER=    % <input checked="" type="checkbox"/> Clear            Area= <i>37.17</i> m <sup>2</sup> SC= <i>0.7</i> <i>0.91</i> VLT= <i>86</i> %    ER= <i>12</i> %	
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 <sup>2</sup> SC=       VLT=    %    ER=    % <input type="checkbox"/> Tinted        Area=    m <sup>2</sup> SC=       VLT=    %    ER=    % <input type="checkbox"/> Clear            Area=    m <sup>2</sup> SC=       VLT=    %    ER=    %	
Double Glazing		<input type="checkbox"/> Yes <input type="checkbox"/> No	
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No	
External Shading		<input type="checkbox"/> Yes <input type="checkbox"/> No	
**Weighted Average Absorptivity		Wall <i>0.91</i>	
Roof		<i>0.65</i>	
**Weighted Average Density		Wall <i>347.67</i> kg/m <sup>2</sup>	
Roof		<i>493.75</i> kg/m <sup>2</sup>	
OTTV <sub>RRF</sub>		Wall <i>20.82</i> W/m <sup>2</sup>	
Roof		<i>3.40</i> W/m <sup>2</sup>	
Overall Average		<i>18.10</i> W/m <sup>2</sup>	

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.



# OTTV of Resident's Recreational Facilities Summary Sheet

PNAP  
APP-156  
Appendix B

Address: <i>Proposed Composite Development at Nos. 78 to 100 Madras Road</i>		BD Ref. No. <i>2/403/15</i>		
Building Type / Use: <i>Resident's Recreational Facilities</i>		<i>and Lake Sheng Road</i>		
OTTV calculated by:		<input type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify: <i>Yung Lam, May King</i>		
Classification:		<input type="checkbox"/> Podium / <input checked="" type="checkbox"/> Tower		
No. of Storeys (RRF):				
Gross Floor Area:		<i>57.074</i> m <sup>2</sup>		
Usable Floor Area:		<i>185.999</i> m <sup>2</sup>		
Total External Wall Area (including windows):		<i>452.97</i> m <sup>2</sup>		
Total Window Area:		<i>27.29</i> m <sup>2</sup>		
Total Skylight Area:				
Window to Wall Ratio:		<i>1 : 16.6</i>		
**Weighted Average U-value	Opaque Wall	<i>1.562</i>	W/m <sup>2</sup>	
	Window	<i>4.675</i>	W/m <sup>2</sup>	
	Opaque Roof	<i>0.54</i>	W/m <sup>2</sup>	
	Skylight		W/m <sup>2</sup>	
Window	Glass Type	<input type="checkbox"/> Reflective	Area= m <sup>2</sup> SC= VLT= % ER= %	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup> SC= VLT= % ER= %	
		<input checked="" type="checkbox"/> Clear	Area= <i>27.29</i> m <sup>2</sup> SC= <i>0.7</i> VLT= <i>86%</i> ER= <i>12%</i>	
	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 <sup>2</sup> SC= VLT= % ER= %	
		<input type="checkbox"/> Tinted	Area= m <sup>2</sup> SC= VLT= % ER= %	
		<input type="checkbox"/> Clear	Area= m <sup>2</sup> 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	<i>0.91</i>		
	Roof	<i>0.65</i>		
**Weighted Average Density	Wall	<i>326.465</i>	kg/m <sup>2</sup>	
	Roof	<i>403.75</i>	kg/m <sup>2</sup>	
OTTV <sub>RRF</sub>	Wall	<i>14.17</i>	W/m <sup>2</sup>	
	Roof	<i>3.4</i>	W/m <sup>2</sup>	
	Overall Average	<i>12.18</i>	W/m <sup>2</sup>	

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.