

Part 1 Energy Efficiency

EC 1-3 Natural Ventilation / Mechanical Ventilation

Criteria	Credit Available	Credit Claimed
(a) Natural Ventilation	32	
OR		
(b) Mechanical Ventilation	32	

Strategies:

Documentary Evidences:

Order of documents to be submitted accordingly and clearly labeled.

Actual Assessment	Submitter	Assessor
<i>1-3 (a) Natural Ventilation</i>		
1. Architectural plan layouts showing the units / rooms of all blocks with highlights of those with north and south window openings.	<input type="checkbox"/>	<input type="checkbox"/>
2. Calculation showing the percentage of units or rooms with window openings facing north and south directions in the prescribed formats as shown in Table 1-3(a).	<input type="checkbox"/>	<input type="checkbox"/>
<i>1-3 (b) Mechanical Ventilation</i>		
1. Plan layout demarcate the area with mechanical ventilation system.	<input type="checkbox"/>	<input type="checkbox"/>
2. The overall design and drawings for mechanical ventilation system to make up the required outdoor air quantity into the building at desire fan power limit.	<input type="checkbox"/>	<input type="checkbox"/>
3. Detailed calculations showing the fan power improvement.	<input type="checkbox"/>	<input type="checkbox"/>
4. Product catalogue of the fan power used.	<input type="checkbox"/>	<input type="checkbox"/>

Site Verification	Submitter	Assessor
<i>1-3 (a) Natural Ventilation</i>		
1. As-built architectural plan layouts showing the units / rooms of all blocks with highlights of those with north and south window openings.	<input type="checkbox"/>	<input type="checkbox"/>
2. Calculation showing the percentage of units or rooms with window openings facing north and south directions in the prescribed formats as shown in Table 1-3(a).	<input type="checkbox"/>	<input type="checkbox"/>
3. Describe any deviations or changes to the AA submission.	<input type="checkbox"/>	<input type="checkbox"/>
<i>1-3 (b) Mechanical Ventilation</i>		
1. The overall design and drawings for mechanical ventilation system to make up the required outdoor air quantity into the building at desire fan power limit.	<input type="checkbox"/>	<input type="checkbox"/>
2. Detailed calculations showing the fan power improvement.	<input type="checkbox"/>	<input type="checkbox"/>
3. Product catalogue of the fan power used and its purchase and delivery order.	<input type="checkbox"/>	<input type="checkbox"/>
4. Photographic evidences.	<input type="checkbox"/>	<input type="checkbox"/>
5. Describe any deviations or changes to the AA submission.	<input type="checkbox"/>	<input type="checkbox"/>