# Green Star Short ReportRound [1/2]

Ensure all prompts shown in Blue text have been responded to.

Green Star – Office Design v3

Credit: IEQ-9 Thermal Comfort

Project Name: [name]

Project Number: GS-[####]

Points available: 2 Points claimed: [1, 2]

1. Credit Compliance

The following chapters of this template are relevant for projects targeting points for this credit:

### Naturally Ventilated and Mechanically Assisted Naturally Ventilated Spaces

The project is meeting the requirements of credit IEQ-1 ‘Ventilation Rates’ for naturally ventilated spaces, therefore is able to demonstrate that [95%] of the Net Lettable Area (NLA) is naturally ventilated in accordance with AS1668.2-2002. It is clearly demonstrated that ventilation rates can be directly controlled by occupants in ‘naturally ventilated’ spaces.

The project has been designed in accordance with ASHRAE Standard 55-2004. Internal temperatures have been shown to be within [80% or 90%] of the Acceptability Limit 1 and achieved during Standard Hours of Occupancy for [98%] of the year. The project is also targeting IEQ-10 ‘Individual Comfort Control’ which is a prerequisite to this credit.

[Insert hyperlinks to documents which support these claims]

Therefore, as demonstrated in section 1.1, this project is eligible to achieve [1 or 2] point(s) for achieving internal temperatures within [80% or 90%] of Acceptability Limit 1 for a least 98% of the year’s Standard Operating Hours of Occupancy.

### Mechanically Air-Conditioned Spaces

Thermal comfort has been designed to achieve the Predicted Mean Vote (PMV) levels, calculated in accordance with ISO7730, during Standard Operating Hours of Occupancy for [98%] of the year using standard clothing, metabolic rate and air velocity values for PMV levels between [±1 or ±0.5] inclusive.

Table : Calculating Compliance for Mechanically Air-Conditioned Spaces

|  |  |  |  |
| --- | --- | --- | --- |
| Floor | Zone | Total Area  | Percentage of occupied hours with PMV of [±1 or ±0.5]  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

[Insert hyperlinks to documents which support these claims]

Therefore, as demonstrated in section 1.2, this project is eligible to achieve [1 or 2] point(s) for achieving PMV levels between [±1 or ±0.5], inclusive for a least 98% of the year’s Standard Operating Hours of Occupancy.

### Mixed-mode Ventilated Spaces

The space or the building uses both natural and mechanical ventilation and independently satisfies the criteria for both naturally ventilated and mechanically air-conditioned spaces. Sections 1.1 and 1.2 have been completed for their associated spaces and supporting documentation provided.

Please provide a summary of the project’s compliance against the natural and mechanical requirements:

Table : Calculating Compliance for Mixed Mode Ventilation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Floor | Zone | Total NLA | Total NLA Meeting Natural Ventilation Requirements Of [80% or 90%] | Total NLA Meeting Mechanical Ventilation Requirements Of [±1 or ±0.5] |
|  |  |  |  |  |

[Insert hyperlinks to documents which support these claims]

Therefore, as demonstrated in section 1.1, 1.2 and 1.3, this project is eligible to achieve [1 or 2] point/s for demonstrating a high level of thermal performance.

Discussion

[Insert any issues you would like to highlight and clarify to the Assessment Panel.]

Author Details:

[Insert name, position and contact details of author]

[Date]

––– **Report end** –––