# 14 Thermal Comfort and Amenity Spaces

Healthy

## Submission information

Provide the following information for the submission

|  |  |
| --- | --- |
| **Submission type** | Choose an item. |
| **Performance level targeted** | Minimum Expectation  Credit Achievement  Exceptional Performance |
| **Points targeted** | Click or tap here to enter text. |

#### ***Please ensure the areas used in this credit are consistent with the approved Area Definition form.***

#### Technical Questions

|  |  |
| --- | --- |
| There are project-specific technical questions for this credit and all responses received from the NZGBC are included in the submission. | Choose an item. |

#### Changes between Rounds

If applicable, please use the text box below to explain any changes between Round 1 and Round 2. This is an opportunity for the GSAP to describe how they have addressed the Assessors comments in Round 2.

Click or tap here to enter text.

## Submission template

### Minimum Expectation

#### Thermal Comfort

|  |  |
| --- | --- |
| **For 95% of the regularly occupied areas and 98% of the year, a high degree of thermal comfort is provided. Indicate and specify compliance method below:** |  |
| The project demonstrates *Operative Temperature* by having all regularly occupied spaces, the project team must demonstrate that the Operative temperature is maintained between 19°C and 26°C. Air speed is to be set at 0.1m/s, therefore effectively assessing only air and radiant temperatures within the space.  Click or tap here to enter text. | |
| For *naturally ventilated* spaces, project teams must demonstrate that internal temperatures in each space are within 80% of Acceptability Limit 1, as per standard ASHRAE 55-2020  Click or tap here to enter text. | |
| Mechanically Ventilates Spaces either meets prescriptive thermal comfort requirements; or the Predicted Mean Vote (PMV) levels are between -1 and +1, inclusive.  Click or tap here to enter text. | |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

### Credit Achievement

#### Amenity Rooms

|  |  |  |
| --- | --- | --- |
| **The building includes one or several rooms designed to promote either inclusivity, mindfulness, or exercise for staff or occupants.** |  | |
| Identify any parent rooms included and outline the sizing provided for the staff or occupants.  Click or tap here to enter text. | | |
| Identify any relaxation, meditation, or prayer rooms included and outline the sizing provided for the staff or occupants.  Click or tap here to enter text. | | |
| Identify any exercise rooms included and outline the sizing provided for the staff or occupants.  Click or tap here to enter text. | | |
| The room(s) meet the Credit Achievement for the Light Quality credit. | |  |
| The room(s) meet the Credit Achievement for the Acoustic Comfort credit. | |  |
| The room(s) meet the 'Equal access to the building' criterion for the Design for Inclusion credit. | |  |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
| --- | --- | --- |
| Document name | Document description | Page number(s) |
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## Discussion

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Click or tap here to enter text.

#### High thermal Comfort

|  |  |
| --- | --- |
| **For 95% of the regularly occupied areas and 98% of the year, a high degree of thermal comfort is provided** |  |
| *Naturally ventilated spaces* – The internal temperatures in each space are within 90% of Acceptability Limit 1 of ASHRAE Standard 55-2013 |  |
| *Mechanically ventilated spaces* – The Predicted Mean Vote (PMV) levels are between -0.5 and +0.5, inclusive, in accordance with 14.1.2B; or |  |

#### Supporting documentation

Identify where evidence supporting the information provided can be found in the documentation.

|  |  |  |
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| Document name | Document description | Page number(s) |
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## Discussion

Narratives will help the Assessors understand how the project complies with the credit. Please include a narrative below, but note that simply listing the credit requirements is not helpful. Instead, outline any other issues that need to be considered by the Assessment Panel.

Click or tap here to enter text.

## Declaration

Provide the following details as confirmation that the information provided in this document is truthful and accurate at the time of completion.

|  |  |
| --- | --- |
| **Name** | Click or tap here to enter text. |
| **Position** | Click or tap here to enter text. |
| **Email** | Click or tap here to enter text. |
| **Date** | Click or tap to enter a date. |