

Temperature Control Strategy

Temperature Control Strategy – Ground Floor Service Wing 1



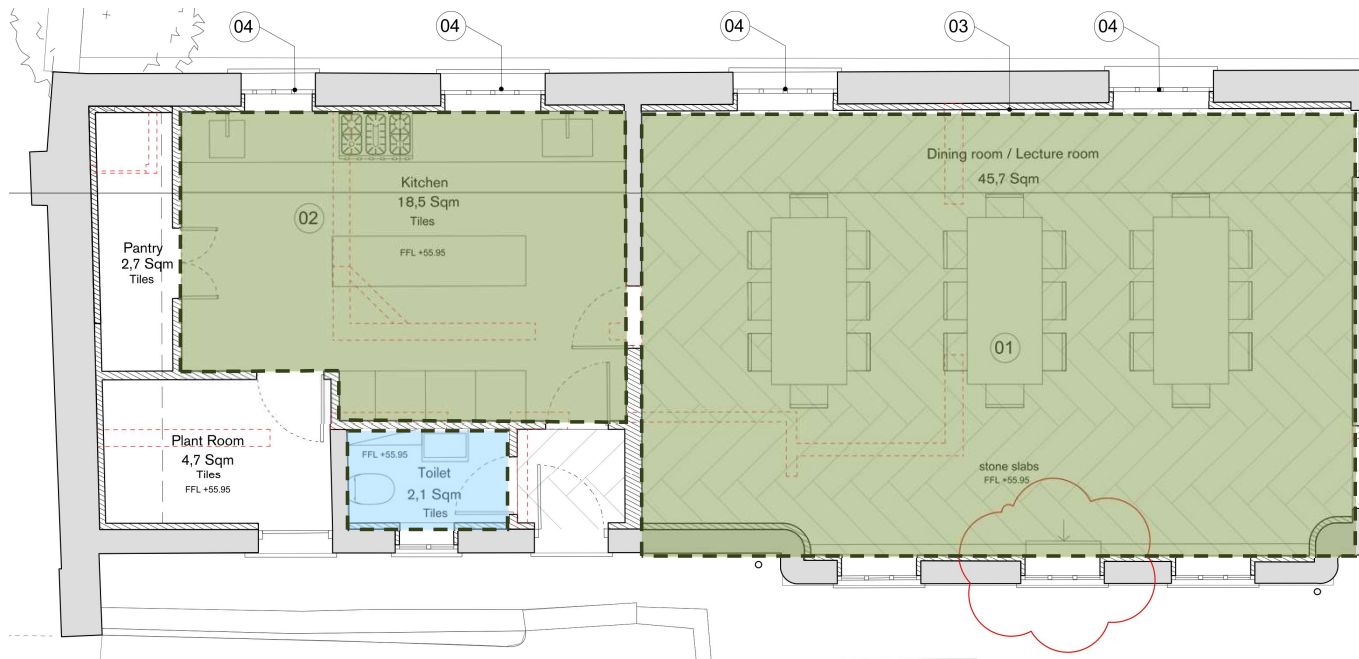
Room temperature maintained by LTHW underfloor heating independently controlled. No maximum temperature control.



Room temperature maintained by electric underfloor heating independently controlled. No maximum temperature control.



Room temperature maintained by panel radiators with independent control via TRVs. No maximum temperature control.



INTERNAL AIR TEMPERATURES:

Note the table below represents the CIBSE Recommended Design Comfort Criteria and the requirements set in the CIBSE Guide A : Environmental Design. The internal space air temperatures should reflect these figures and the seasonal weather and occupants use in the differing spaces.

*The figures are based on controlled environment when active cooling is applied. For passive cooling, the indoor temperature is dependent on the outside temperature, and the risk of overheating may arise specially in highly dense rooms (depending on occupancy levels).

Room Description	Winter Temperature	Summer Temperature*
Kitchen	17-19°C	21-25°C
Toilet	19-21°C	21-25°C
Dining Room / Lecture room	19-21°C	21-25°C

Note for kitchen:

1. Assume that the kitchen is treated as residential kitchen usage rather than commercial.

Notes for Dining room/ Lecture room:

1. Confirmation is needed for the feasibility if the slabs are suitable for underfloor heating.
2. Even underfloor heating is feasible, it may change to panel radiator subject to the usage.

Temperature Control Strategy – Ground Floor Service Wing 2



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Room Description	Winter Temperature	Summer Temperature*
Toilet	19-21°C	21-25°C
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Seminar room	19-21°C	21-25°C
Foyer	13-20°C	21-25°C
Hall/stairs/landings	19-24°C	21-25°C

Notes for Seminar room, Circulation and Foyer:

1. Confirmation is needed for the feasibility if the stabs are suitable for underfloor heating.
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Temperature Control Strategy – Ground Floor Main House 1



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Room Description	Winter Temperature	Summer Temperature*
Chapel area	19-21°C	22-25°C
Office Area	21-23°C	22-25°C
Corridors	19-21°C	21-25°C


Notes for Chapel:

1. Confirmation is needed for the feasibility if the stabs are suitable for underfloor heating.
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Temperature Control Strategy – Ground Floor Main House 2

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Room Description	Winter Temperature	Summer Temperature*
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Visitor Room	20-22°C	22-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – Ground Floor Main House 3



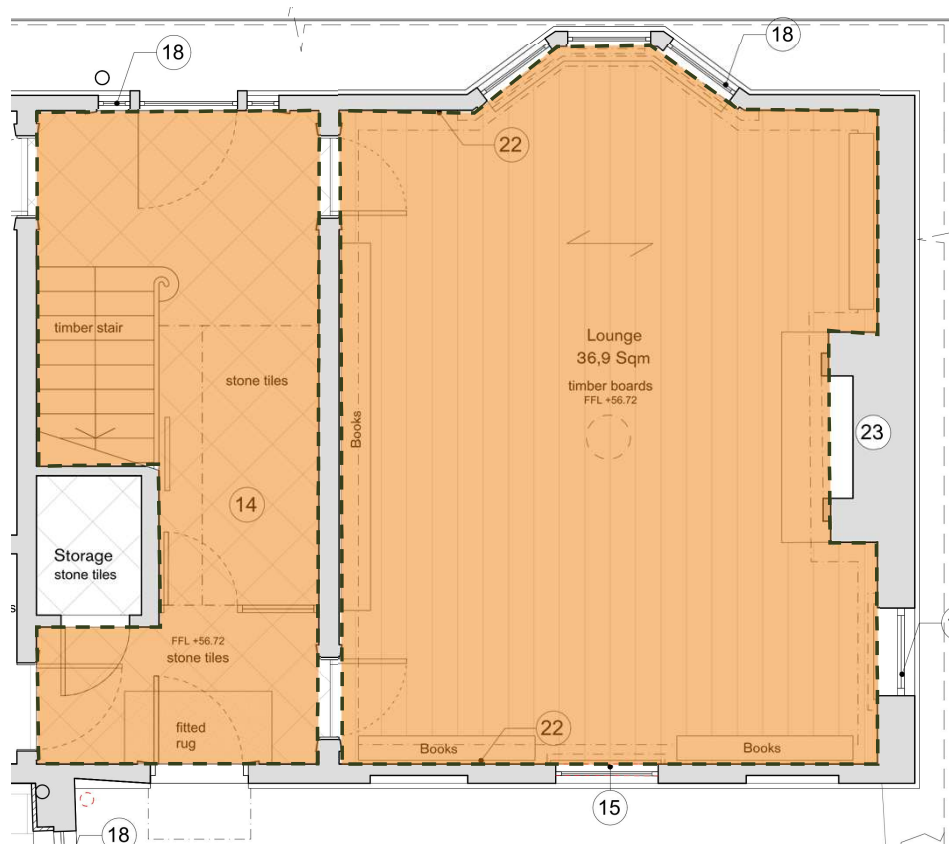
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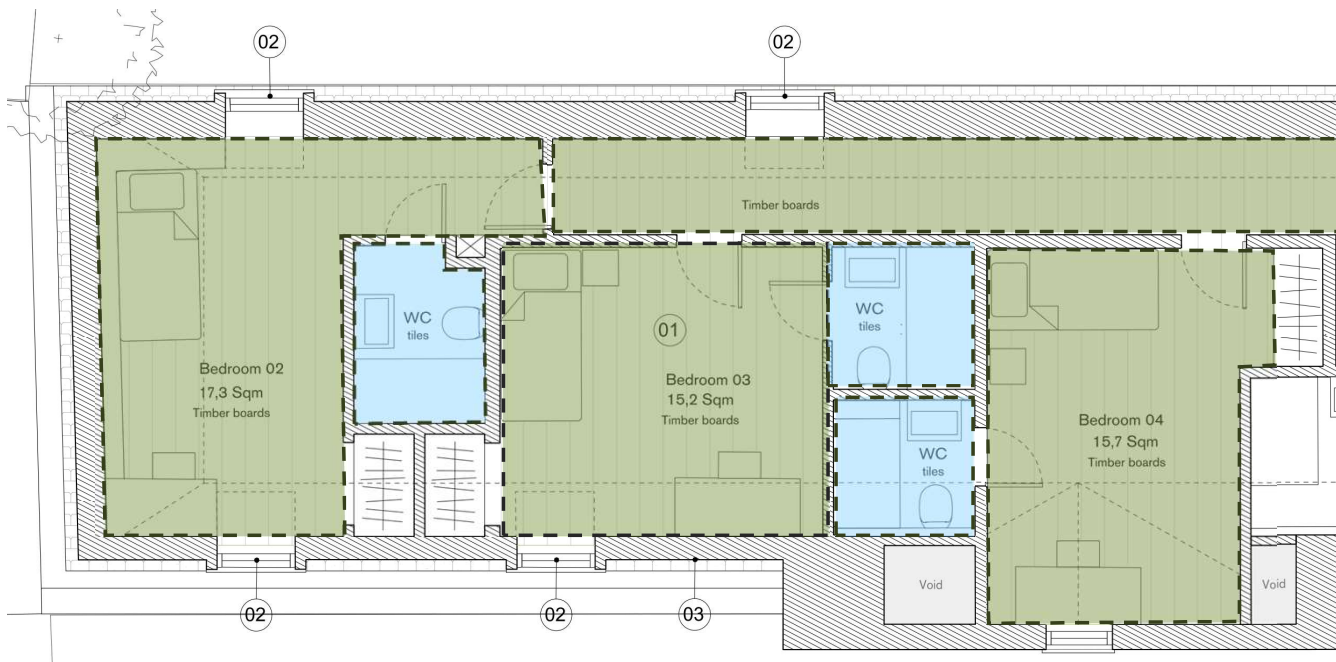
Room Description	Winter Temperature	Summer Temperature*
Lounge	20-22°C	22-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – 1st Floor Service Wing 1

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Room Description	Winter Temperature	Summer Temperature*
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – 1st Floor Service Wing 2



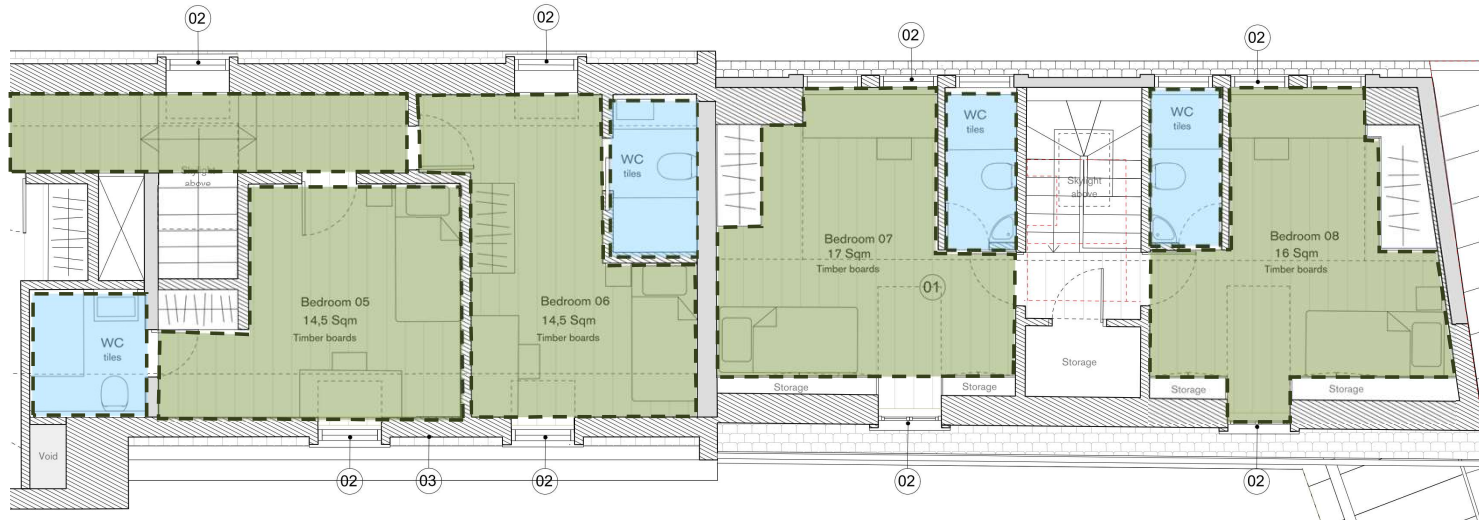
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Room Description	Winter Temperature	Summer Temperature*
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – M Floor Main House



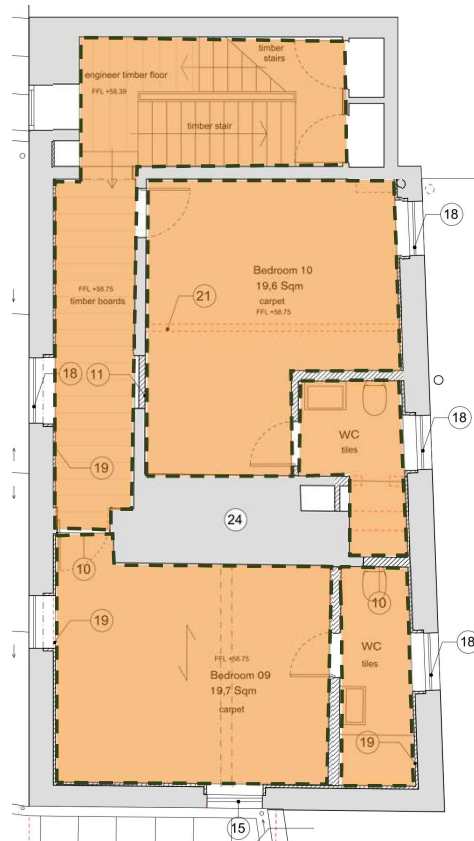
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Room Description	Winter Temperature	Summer Temperature*
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – 1st Floor Main House 1



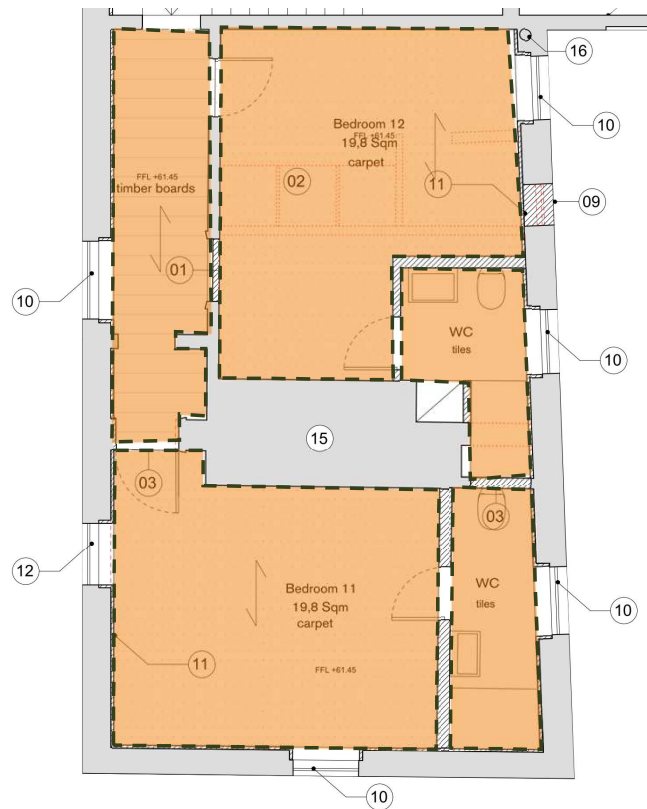
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Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – 1st Floor Main House 2



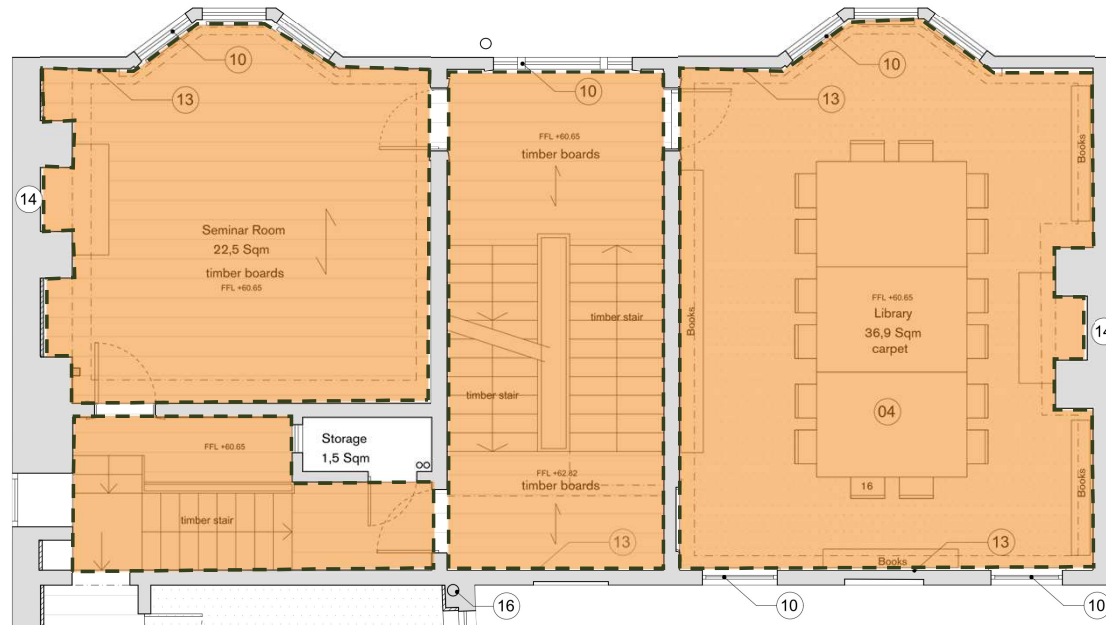
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Room Description	Winter Temperature	Summer Temperature*
Seminar Room	19-21°C	21-25°C
Hall/stairs/landings	19-24°C	21-25°C
Library	22-23°C	24-25°C

Temperature Control Strategy – 2nd Floor Main House



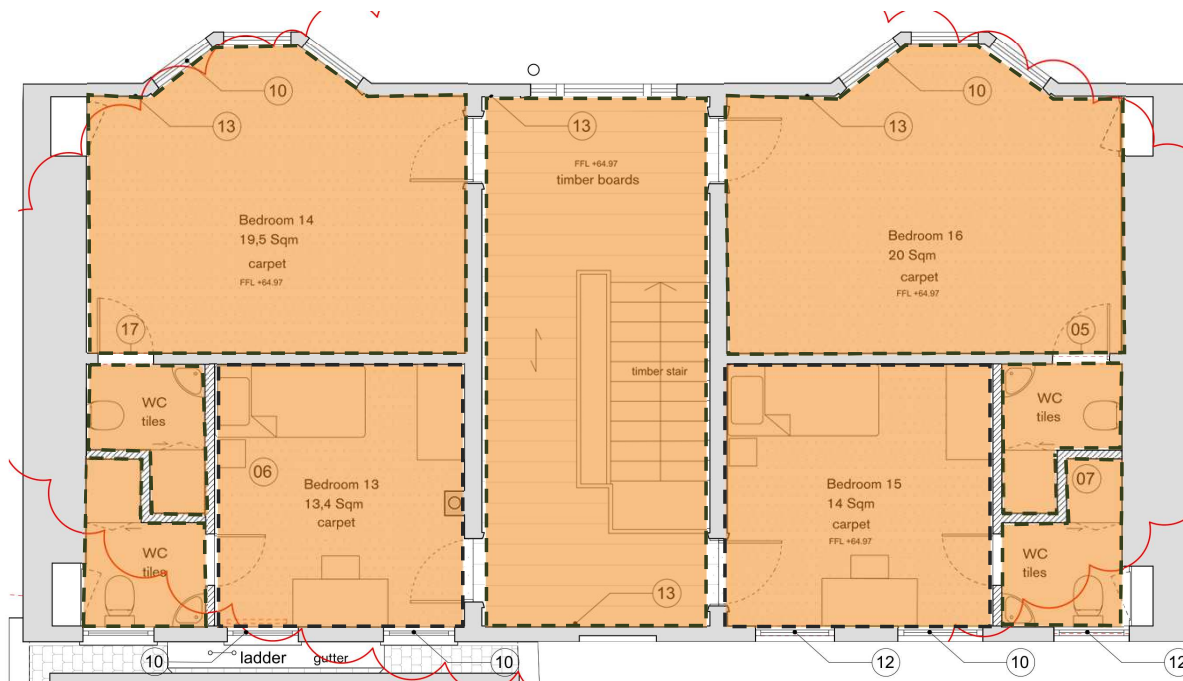
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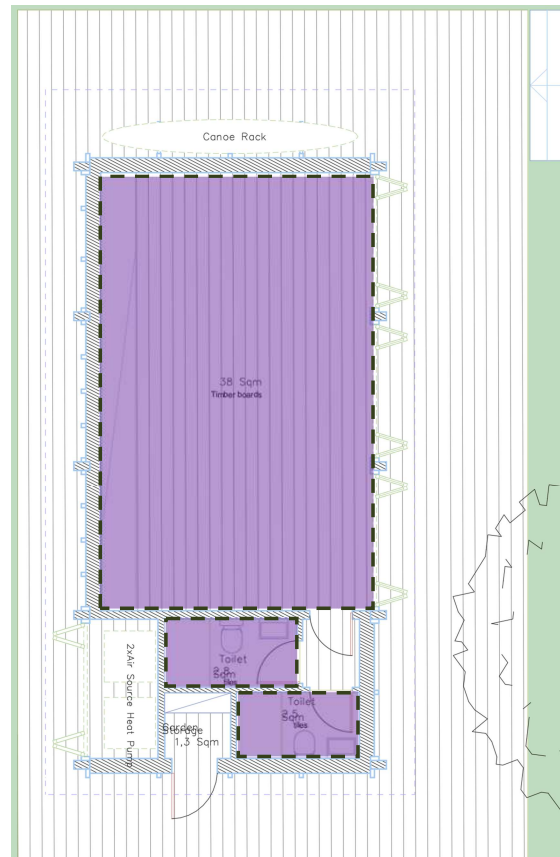
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Room Description	Winter Temperature	Summer Temperature*
Bathrooms	20-22°C	23-25°C
Bedrooms	17-19°C	23-25°C
Hall/stairs/landings	19-24°C	21-25°C

Temperature Control Strategy – Boathouse



Room temperature maintained by electric radiator independently controlled.



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Room Description	Winter Temperature	Summer Temperature*
Toilet	19-21°C	21-25°C
Dining Room / Lecture room	19-21°C	21-25°C