

Green Star – Design & As Built Submission Template

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

Design Review / As Built Submission [Delete as appropriate]

Credit: ENE Greenhouse Gas Emissions

Project Name: [name]

Project Number: GS- [####]

Points available: 5

Points claimed: [1 to 5]

1. Deemed to Satisfy Pathway

The project is claiming [X Points] by complying with the deemed-to-satisfy requirements. The following initiatives are being claimed:

[Please select the applicable initiatives utilised in project]

Item	Points available	Points claimed
Building Envelope	1	<input type="checkbox"/>
Glazing	1	<input type="checkbox"/>
Lighting	1	<input type="checkbox"/>
HVAC	1	<input type="checkbox"/>
Building Sealing	1	<input type="checkbox"/>

1.1. General Building Details

NCC Building Climate Zone is: [Please indicate Climate Zone]

NCC Building Class is: [Please indicate NCC Class]

1.2. Building Envelope

Provide a summary of the project's compliance compared with the minimum NCC Section J1 requirements:

Table 1: Building Envelope Compliance Summary

Building Element	NCC Minimum R-Value	Project Achieved R-Value	Percentage Increase above Minimum	Compliant? (Y/N)
[e.g. Wall Type 1]	[R Value]	[R Value]	[%]	[Y/N]
[e.g. Floor Type 1]	[R Value]	[R Value]	[%]	[Y/N]

[Insert hyperlinks to documentation showing compliance with the National Construction Code. These documents must show calculations for each construction type demonstrating that R-Values will/have been met.]

1.3. Glazing

Provide a summary of the project's compliance compared with the minimum NCC Sections J1 & J2 requirements:

Table 2: Glazing Compliance Summary

Glazing Type	NCC Minimum U-Value	Project Achieved U Value	Percentage Increase above Minimum	NCC Minimum SHGC	Project Achieved SHGC	Percentage Increase above Minimum	Compliant? (Y/N)
[e.g. Glazing Type 1]	[U Value]	[U Value]	[%]	[SHGC Value]	[SHGC Value]	[%]	[Y/N]
[e.g. Glazing Type 2]	[U Value]	[U Value]	[%]	[SHGC Value]	[SHGC Value]	[%]	[Y/N]
[e.g. Roof Light 1]	[U Value]	[U Value]	[%]	[SHGC Value]	[SHGC Value]	[%]	[Y/N]

[Insert hyperlinks to documentation showing compliance with the National Construction Code. These documents must show calculations and/or supplier data sheets confirming U Values and SHGC Values for the window systems.]

1.4. Lighting

1.4.1. Lighting Power Density

Provide a summary of the project's compliance compared with the minimum NCC Section J6 Requirements:

Table 3: Lighting Power Density Compliance Summary

Space Type	NCC Maximum Aggregate Illumination Power	Project Achieved Aggregate Illumination Power	Percentage Decrease	Compliant? (Y/N)
Whole Building	[W]	[W]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

1.4.2. Zones and Switching

The project provides individually switched lighting zones for all individual or enclosed spaces not exceeding 100m² for 95% of the nominated area.

Table 4: Individual Lighting Control Zones

Floor	Zone Reference	Zone Area (m ²)	<100m ² (Y/N)	Switch Description
[e.g. Ground]	[Reference to Plan]	[m ²]	[Y/N]	[Description]

Table 5: Total Compliant Assessable Area of Individual Lighting Control Zones

Total area of compliance zones	(m ²)
Total Assessable Area	(m ²)
Percent Compliant Assessable Area	(%)

[Insert hyperlinks to documents which support these claims]

1.4.3. Lighting Control Systems

The project provides an automated lighting control system(s), such as occupant detection and daylight adjustment provided to [95%] of the nominated area.

Table 6: Total Compliant Assessable Area of Individual Addressable Lighting

Total Building Area	(m²)
Total Compliant Area	(m²)
Percent Compliant	(%)

[Insert hyperlinks to documentation showing compliance with the National Construction Code. These documents must identify the control zone sizes and the luminaire switch(s) and control sensor locations, requirements for automated lighting control must also be evident in contract documents]

1.5. HVAC

Provide a summary of the project's compliance compared with the minimum NCC Section J5 Requirements:

1.5.1. Fan and Pump Power

Table 7: Fan Power Compliance Summary

Air Conditioning Sensible Heat Load (W/m² of the floor area of the conditioned space)	Area Air Conditioned Systems is Serving	NCC Maximum Fan Motor Power (W/m²)	Project Achieved Fan Motor Power (W/m²)	Percentage Decrease	Compliant? (Y/N)
[e.g. 101 -150]	[m²]	[W/m²]	[W/m²]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

Table 8: Chilled Water Pump Power Compliance Summary

Cooling or Heating Load (W/m² of the floor area of the conditioned space)	NCC Maximum Chilled Water Pump Power (W/m²)	Project Achieved Maximum Chilled Water Pump Power (W/m²)	Percentage Decrease	Compliant? (Y/N)
[e.g. 101 -150]	[W/m²]	[W/m²]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

Table 9: Condenser Water Pump Power Compliance Summary

Cooling or Heating Load (W/m^2 of the floor area of the conditioned space)	NCC Maximum <i>Condenser Water</i> Pump Power (W/m^2)	Project Achieved Maximum <i>Condenser Water</i> Pump Power (W/m^2)	Percentage Decrease	Compliant? (Y/N)
[e.g. 101 -150]	[W/m^2]	[W/m^2]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

Table 10: Heating Water Pump Power Compliance Summary

Cooling or Heating Load (W/m^2 of the floor area of the conditioned space)	NCC Maximum <i>Heating Water</i> Pump Power (W/m^2)	Project Achieved Maximum <i>Heating Water</i> Pump Power (W/m^2)	Percentage Decrease	Compliant? (Y/N)
[e.g. 101 -150]	[W/m^2]	[W/m^2]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

1.5.2. Water Heater Thermal Efficiency

Table 11: Water Heater Compliance Summary

Floor Area of Conditioned Space (m^2)	Fuel Type (Gas/Oil)	Rated Capacity ($\text{kW}_{\text{heating}}$)	NCC Minimum Gross Efficiency (%)	Project Achieved Minimum Gross Efficiency (%)	Percentage Increase	Compliant? (Y/N)
[m^2]	[Gas/Oil]	[kW]	[%]	[%]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

1.5.3. Packaged Air Conditioned and Refrigerant Chiller Energy Efficiency Ratios

Table 12: Packaged Air Conditioning Equipment Compliance Summary

Equipment Type	Capacity (kW _r)	NCC Minimum Energy Efficiency Ratio (W _r /W _{input power})	Project Achieved Minimum Energy Efficiency Ratio (W _r /W _{input power})	Percentage Increase	Compliant? (Y/N)
[e.g. Air Conditioner - Cooling]	[kW _r]	[W _r /W _{input power}]	[W _r /W _{input power}]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

Table 13: Refrigerant Chiller Equipment Compliance Summary

Equipment Type	NCC Minimum Energy Efficiency Ratio For Full Load Operation (W _r /W _{input power})	Project Achieved Energy Efficiency Ratio For Full Load Operation (W _r /W _{input power})	Percentage Increase	NCC Minimum Energy Efficiency Ratio For Integrated Part Load Operation (W _r /W _{input power})	Project Achieved Energy Efficiency Ratio For Integrated Part Load Operation (W _r /W _{input power})	Percentage Increase	Compliant? (Y/N)
[e.g. Water Cooled Chiller]	[W _r /W _{input power}]	[W _r /W _{input power}]	[%]	[W _r /W _{input power}]	[W _r /W _{input power}]	[%]	[Y/N]

[Insert hyperlinks to documents which support these claims]

1.6. Building Sealing

1.6.1. Mechanically Ventilated Spaces

Provide brief summary of Building Sealing Test Report Results.

1.6.2. Naturally Ventilated Spaces

For Naturally Ventilated Spaces provide a summary of spaces and how they are ventilated.

Table 14: Schedule of all spaces within the building

Space	Area	Mode of Ventilation (Mechanical, Natural Ventilation, Mixed Mode)

[Insert hyperlinks to documents which support these claims]

The project has demonstrated that [95%] of the NLA is naturally ventilated in accordance with AS1668.2-2012. It is clearly demonstrated that areas nominated as 'naturally ventilated' can be occupied without mechanical ventilation, and that no air conditioning has been provided.

Select the approach used to determine the adequate provision of natural ventilation openings as per *Quality of Indoor Air* credit:

- ☐ Prescriptive opening size and location
- ☐ Empirical calculations
- ☐ Computer modelling

Complete the following tables for all naturally ventilated* occupied spaces pursuing this option:

Table 15: Schedule of Naturally Ventilated Areas

Space/Floor	Nominated Area (m ²)	Required Opening Size (m ² open area)	Opening Provided (m ² open area)	Compliant? (Y/N)
[e.g. First Floor]	[m ²]	[m ²]	[m ²]	[Y/N]

Total Nominated Area	(m ²)
Total Compliant Area	(m ²)
Percent Compliant Area	(%)

[Insert hyperlinks to documents which support these claims]

1.7. 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 —