# responsible building materials

### Credit 20

### Design Review Submission As Built Submission

|  |  |  |  |
| --- | --- | --- | --- |
| Total Points available: | 3 | Points claimed: | [#] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Criteria | Description | Points Available | Points Claimed |
| **20.1** | **Structural and Reinforcing Steel** | 95% of the buildings steel is sourced from a Responsible Steel Maker; and  **For steel framed buildings:**  at least 60% of the fabricated structural steelwork is supplied by a responsible steel fabricator/steel contractor:   * Steel fabricator must be a current member of the Sustainable Steel Council (NZ) and a member of the SCC’s Environmental Sustainability Charter; and * Hold a recognised Environmental Management System (EMS) either to ISO14001 standard or, as a minimum, Enviromark GOLD®.   **For concrete framed buildings:** | 1 |  |
|  |  | At least 60% (by mass) of all reinforcing bar and mesh is produced using energy-reducing processed in its manufacture (measured by average mass by steel maker annually).  OR  60% (by mass) of all reinforcing bar and mesh supplied to the project holds Environmental Choice EC-41-15 certification. |  |
| The cost of structural and reinforcing steels is less than 1% of the Project Contract Value, or there are no new structural or reinforcing steels used in the project | NA |  |
| **20.2** | **Timber** | At least 95% (by cost) of all timber used in the building and construction works is either:   1. *Certified by a recognised forest certification scheme;* OR 2. Is from a reused source. | 1 |  |
| The cost of timber is less than 0.1% of the Project Contract Value. | NA |  |
| **20.3** | **Permanent Formwork, Pipes, Flooring, Blinds and Cables** | At least 90% (by cost) of all permanent formwork, pipes, flooring, blinds and cables either:   1. Do not contain PVC and have a recognised product declaration; or 2. Meet Best Practice Guidelines for PVC. | 1 |  |
| The cost of PVC products is less than 1% of the Project Contract Value. | NA |  |

## Project-specific technical questions (formerly tcs and cirs)

|  |  |
| --- | --- |
| There are no project-specific Technical Questions for this credit. |  |
| There are project-specific Technical Questions for this credit and all responses received from the NZGBC are attached. |  |

Please justify if NA is claimed

## 20.1 structural and reinforcing steel

|  |  |
| --- | --- |
| At least 95% of the building’s steel is sourced from a Responsible Steel Maker. |  |
| Steel Framed Building:  At least 60% (by mass) of the fabricated structural steelwork is supplied by a responsible steel fabricator/steel contractor. |  |
| Concrete Framed Building:  At least 60% (by mass) of all reinforcing bar and mesh is produced using energy reduced processing in its manufacture. OR  At least 60% (by mass) of all reinforcing bar and mesh is supplied to the project holds Environmental Choice EC-41-15 certification. |  |

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| --- | --- | --- | --- | --- |
| Responsible Steel Maker Summary | | | |  |
| Product | Steel Maker | Valid ISO 14001 Certification | Mass of Steel Supplied (tonne) | WSA CAP Membership |
| Reinforcement | OneSteel | [yes/no] | [20000 tonnes] | [yes/no] |
| [insert rows as needed] |  |  |  |  |
| Total |  |  |  |  |
| Percentage Compliant |  |  |  |  |

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
| [####] | [####] |
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|  |  |  |
| --- | --- | --- |
| 20.1A Responsible Steel Fabricator Summary | | |
| Product | Non-compliant Fabrication (tonnes) | SSC-ESC Fabrication (tonnes) with recognised EMS |
| E.g. Product 1 |  |  |
| [insert rows as needed] |  |  |
|  |  |  |
| Total |  |  |
| Percentages | X% | X% |

Identify where this information can be found within the supporting documentation provided.

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| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
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| --- | --- | --- | --- |
| 20.1B Energy-Reducing Processes (ERP) in Steel Reinforcement Production | | | |
| Product | Reinforcing steel  (tonnes) | Manufacturer’s annual average production using ERP (%) | Average mass of ERP steel (tonnes) |
| Supplier name | [x] tonnes | [x]% | = [x] tonnes \* [x]% |
| eg. reinforcing bar supplier 1 | 205 | 73% | 150 |
| Supplier 2 |  |  |  |
| Supplier 3 |  |  |  |
| Total |  |  |  |
| Percentage Compliant | (Total average ERP steel/ Total steel) | | [#]% |

Identify where this information can be found within the supporting documentation provided.

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| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
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## 20.2 Timber

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| --- | --- |
| At least 95% (by cost) of the timber used in the projects building materials or construction works is reused or certified by a recognised forest certification scheme. |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Timber Schedule** | | | | |
| Description of Timber Use and/or Timber Products | Reused; Certified; or Uncertified Timber | Total cost reused | Total cost certified | **Total cost uncertified** |
| Wood Panels (e.g. plywood, particleboard and MDF used for formwork, joinery, kitchens, bathrooms) |  |  |  |  |
| Doors |  |  |  |  |
| Furniture  covers timber used in loose furniture, tables, workstations, chairs, lockers, etc. |  |  |  |  |
| Skirting boards |  |  |  |  |
| Architraves |  |  |  |  |
| Structural Timber (pylons, beams, laminate beams, etc.) |  |  |  |  |
| [Other timber uses and timber products not mentioned in table] |  |  |  |  |
| Sub-total costs | | **$** | **$** | **$** |
| Total cost of all timber specified in the building and construction works | | **$** | | |
| Combined total costs of reused and certified timber | | **$** | |  |
| Total cost of reused and certified timber as a percentage of total timber cost | | **%** | | |

Identify where this information can be found within the supporting documentation provided.

|  |  |
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| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
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20.3 Permanent FOrmwork, Pipes, FLooring, Blinds and Cables

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| At least 90% (by cost) of the all cables, pipes, flooring and blinds in the project either do not contain PVC and have a recognised product declaration; or meet Best Practice Guidelines for PVC. |  |

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| **Permanent formwork, pipes, flooring and cables schedule** | | | | | | |
| Product Type | Product Name | Contains PVC (Y/N) | | Compliant with Best Practice Guidelines for PVC (Y/N) or recognised product declaration | Total cost of compliant products | Total cost of non-compliant products |
| eg. Pipe |  | | Y/N | Y/N | $ | $ |
| eg. Conduit fittings |  | | Y/N | Y/N | $ | $ |
|  |  | | Y/N | Y/N | $ | $ |
|  |  | | Y/N | Y/N | $ | $ |
|  |  | | Y/N | Y/N | $ | $ |
| Total cost of all compliant products | | | | | $ |  |
| Total cost of all non-compliant products | | | | |  | $ |
| Combined total cost of all nominated products in schedule | | | | | $ | |
| Percentage of PVC products compliant with the Credit Criteria  ($compliant products/$nominated products) x 100= XX% | | | | |  | XX% |

Identify where this information can be found within the supporting documentation provided.

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| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
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DISCUSSION

Outline any issues you would like to highlight and clarify with the Certified Assessor(s).

## DECLARATION

I confirm that the information provided in this document is truthful and accurate at the time of completion.

Provide author details, including name, position and email address:

[Date]

––– **Report end** –––