Diagram

Description automatically generated

STEELDOC

Checklists

*Companion document to report No. SCNZ12:2002 Code of Practice for Structural Steelwork Documentation*

March 2022

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March 2022

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SCNZ has three key objectives, to:

* Promote awareness of the advantages of steel construction
* Foster excellence in the delivery of steel construction solutions
* Encourage training and career development within the steel construction sector

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**Document Control**

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| **Revision History** | | | |
| **Revision** | **Date** | **Description** | **Prepared by** |
|  | March 2002 | Companion SteelDoc checklist document in editable Word format published | AJF/KC |
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| **GUIDE TO THE USE OF CHECKLISTS** |  |

This companion publication to SteelDoc contains checklists to assist structural engineers in the process of co-ordinating and checking completeness of contract documentation.

The checklists cover the allocation of tasks as well as the completeness of structural steelwork drawings.

They may be used as project specific checklists for projects which warrant additional quality assurance such as large or complex projects. Alternatively, they may be used to review and update existing company structural steelwork documentation quality management procedures.

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| **PROJECT CONTACTS LIST** | | | | | | **Page 1** |
|  | | | | | | |
| Project Name: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | Steel Construction New Zealand | |
| Site Address: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | |
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| *Details of the parties involved in the design of this project are as follows:* | | | | |  |  |
|  |  | | | |  |  |
|  |  | Company | Contact Person | Phone | Email |  |
| 1 | Structural |  |  |  |  | |
| 2 | Architect |  |  |  |  | |
| 3 | HVAC |  |  |  |  | |
| 4 | Mechanical |  |  |  |  | |
| 5 | Electrical |  |  |  |  | |
| 6 | Civil |  |  |  |  | |
| 7 | Sprinkler |  |  |  |  | |
| 8 | Main Contractor |  |  |  |  | |
| 9 | Steel Constructor |  |  |  |  | |
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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 1** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **1** | **GENERAL NOTES AND SPECIFICATIONS** | | | | | |  | **2** | **PLANS** |
|  |  | | | | | |  |  |  | | |  |  |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  | **Item** | **Description** | | | **Responsibility** | **Date** |
| **1.1** | Material grades specified for all structural items. | | | Struct. | |  |  | **2.1** | All grids defined and dimensioned. | | | Architect |  |
| **1.2** | Bolts completely specified (grades, installation procedures). | | | Struct. | |  |  | **2.2** | All member sizes and orientations specified. | | | Struct. |  |
| **1.3** | Welding completely specified (weld types, grade, quality, sizes). | | | Struct. | |  |  | **2.3** | Plan location and orientation of each column specified. | | | Struct. |  |
| **1.4** | Oversize hole criteria given for the typical connection holes. | | | Struct. | |  |  | **2.4** | Specific location of each beam dimensioned. | | | Struct. |  |
| **1.5** | Oversize hole criteria given for the anchor bolt/base plate holes. | | | Struct. | |  |  | **2.5** | Sufficient reference dimensions given in non-rectangular areas. | | | Struct. |  |
| **1.6** | Paint, galvanising, and metal spray requirements specified. | | | Struct. | |  |  | **2.6** | Beams requiring pre-cambering clearly identified. | | | Struct. |  |
| **1.7** | Paint and no-paint areas completely specified. | | | Struct. | |  |  | **2.7** | Shear studs specified. | | | Struct. |  |
| **1.8** | Galvanised and metal spray areas completely specified. | | | Struct. | |  |  | **2.8** | Details provided for any other special reinforcing plates to be included. | | | Struct. |  |
| **1.9** | Drill in or masonry anchors specified. | | | Struct. | |  |  | **2.9** | The purlin span details provided e.g., single, double, lapped, and lap length. | | | Struct. |  |
| **1.10** | Standard notes complete. | | | Struct. | |  |  | **2.10** | Roof purlin bridging, fly bracing, and light cross bracing clearly specified and located. | | | Struct. |  |
| **1.11** | Shop drawing review procedures specified. | | | Struct. | |  |  | **2.11** | Specific dimensions provided for trimming out openings for other trades e.g., Air conditioning ducts, stair/lift voids | | | Struct. |  |
| **1.12** | All material, fabrication, and coating inspection and testing requirements specified. | | | Struct. | |  |  | **2.12** | Gutter slopes and fall directions clearly identified. | | | Struct. |  |
| **1.13** | All special construction procedures and sequences specified. | | | Struct. | |  |  | **2.13** | All relevant steelwork plans, elevations, and connection drawings; and electrical, HVAC, mechanical, and architectural drawings referenced and coordinated. | | | Struct. |  |
| **1.14** | Passive fire protection requirements noted. | | | Struct. | |  |  | **2.14** | Standard connectons specified (e.g., WP30 NC). | | | Struct. |  |
| **1.15** | Member seismic categories specified for elements of lateral load resisting systems. | | | Struct. | |  |  | **2.15** | Correct detail referencing. | | | Struct. |  |
| **1.16** | Fixings to timber elements specified. | | | Struct. | |  |  | **2.16** | Other (specify) | | | Struct. |  |
| **1.17** | Construction category/categories specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.18** | Weld failure consequence category/categories specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.19** | Seismic weld demand category/categories specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.20** | The extent of any steel elements subject to architecturally exposed structural steel requirements including AESS designation specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.21** | Fabricator qualifications specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.22** | Sourcing requirements to ensure the supply of compliant structural steels specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.23** | Any amendments to AS/NZS 5131 default requirements specified (e.g., treatment grades, functional tolerances, Quality plans for CC2 projects etc.). | | | Struct. | |  |  |  |  | | |  |  |
| **1.24** | Proprietary system specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.25** | Propping requirements specified. | | | Struct. | |  |  |  |  | | |  |  |
| **1.26** | Other (specify) | | | Struct. | |  |  |  |  | | |  |  |

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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 2** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **3** | **ELEVATIONS AND SECTIONS** | | | | | |  | **4** | **CONNECTIONS** |
|  |  | | | | | |  |  |  | | |  |  |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  | **Item** | **Description** | | | **Responsibility** | **Date** |
| **3.1** | All grids defined and dimensioned. | | | Architect | |  |  | **4.1** | Columns | | |  |  |
| **3.2** | All member sizes and orientations specified. | | | Struct. | |  |  | **4.1.1** | All base plates and hold down bolt connections designed, specified, and sufficiently dimensioned. | | | Struct. |  |
| **3.3** | All RL’s of bottom of base plates shown. | | | Struct. | |  |  | **4.1.2** | Grout thickness sufficient to contain the jacking nuts. | | | Struct. |  |
| **3.4** | All top of steel RL’s (TOS) given. | | | Struct. | |  |  | **4.1.3** | The bottom ends of the hold down bolts sufficiently contained within the footings and sufficiently dimensioned. | | | Struct. |  |
| **3.5** | All column, rafter, and beam splice locations given. | | | Struct. | |  |  | **4.1.4** | Top ends of the hold down bolts sufficiently covered with the finish floor and sufficiently dimensioned. | | | Struct. |  |
| **3.6** | “Between floor” member locations specifically dimensioned. | | | Struct. | |  |  | **4.1.5** | All other construction items such as rebar unaffected by the hold down installation. | | | Struct. |  |
| **3.7** | Sufficient reference dimensions given in sloping areas. | | | Struct. | |  |  | **4.1.6** | The hold down bolt patterns sufficiently contained within the footings and sufficiently dimensioned. | | | Struct. |  |
| **3.8** | Specific dimensions provided for trimming out openings for other trades e.g., window/door openings. | | | Struct. | |  |  | **4.1.7** | Column to column splice details and locations. | | | Struct. |  |
| **3.9** | Girts, hangers, fly braces, and cross-bracing specifically dimensioned and located. | | | Struct. | |  |  | **4.1.8** | If required, column caps specified. | | | Struct. |  |
| **3.10** | Supports for door opening machinery coordinated with door supplier. | | | Struct. | |  |  | **4.1.9** | Other (specify) | | | Struct. |  |
| **3.11** | Standard connections fully specified (e.g., WP30 NC). | | | Struct. | |  |  | **4.2** | Beams | | |  |  |
| **3.12** | Correct detail referencing. | | | Struct. | |  |  | **4.2.1** | Other cast-in or site drilled connections designed, specified, and sufficiently dimensioned. | | | Struct. |  |

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| **3.13** | Other (specify) | Struct. |  |  | **4.2.2** | Cast-ins suffiently contained in the walls and/or floor slabs. | Struct. |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | **4.2.3** | All other construction items, such as rebar, unaffected by the cast-in or site drilled connection installation. | Struct. |  |
|  |  |  |  |  | **4.2.4** | Beams to cast-ins or drilled on-site connections. | Struct. |  |

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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 3** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **4** | **CONNECTIONS (continued)** | | | | | |  | **5** | **STAIRS** |
|  |  | | | | | |  |  |  | | |  |  |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  | **Item** | **Description** | | | **Responsibility** | **Date** |
| **4.2** | Beams continued | | |  | |  |  | **5.1** | All relevant grids defined and dimensioned. | | | Architect |  |
| **4.2.5** | Beam to beam one-sided | | | Struct. | |  |  | **5.2** | All member sizes and orientations specified. | | | Struct. |  |
| **4.2.6** | Beam to beam two-sided | | | Struct. | |  |  | **5.3** | Specific dimensioning given to locate the stairs in relation to the main structure. | | | Struct. |  |
| **4.2.7** | Beam to beam splice | | | Struct. | |  |  | **5.4** | All RL’s of bottom of base plates shown. | | | Struct. |  |
| **4.3** | Beam to column | | |  | |  |  | **5.5** | All top of steel RL’s (TOS) given and set downs noted. | | | Struct. |  |
| **4.3.1** | Non-moment beam to column flange | | | Struct. | |  |  | **5.6** | All column splice locations given. | | | Struct. |  |
| **4.3.2** | Non-moment beam to column web | | | Struct. | |  |  | **5.7** | “Between floor” members specifically dimensioned. | | | Struct. |  |
| **4.3.3** | Moment beam to column flange | | | Struct. | |  |  | **5.8** | Sufficient reference dimensions given in sloping areas. | | | Struct. |  |
| **4.3.4** | Moment beam to column web | | | Struct. | |  |  | **5.9** | Cast-in fixings to concrete work coordinated with concrete drawings. | | | Struct. |  |
| **4.3.5** | Beam on supporting column | | | Struct. | |  |  | **5.10** | All relevant steelwork plans, elevations, and connection Drawings and Architect Drawings referenced and coordinated. | | | Struct. |  |
| **4.3.6** | Column to supporting beam | | | Struct. | |  |  | **5.11** | Connections fully specified. | | | Struct. |  |
| **4.4** | Bracing to beams or columns | | | Struct. | |  |  | **5.12** | Correct detail referencing. | | | Struct. |  |
| **4.5** | Connections for FOB items | | | Struct. | |  |  | **5.13** | Other (specify) | | | Struct. |  |
| **4.3.6** | Other (specify) | | | Struct. | |  |  |  |  | | |  |  |

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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 4** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **6** | **LIFT FRAMING** | | | | | |  | **7** | **WALKWAYS AND ACCESS LADDERS** |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  | **Item** | **Description** | | | **Responsibility** | **Date** |
| **6.1** | All relevant grids defined and dimensioned. | | | Architect | |  |  | **7.1** | All relevant grids defined and dimensioned. | | | Architect |  |
| **6.2** | All member sizes and orientations specified. | | | Struct. | |  |  | **7.2** | All member sizes and orientations specified. | | | Struct. |  |
| **6.3** | Specific dimensions given to locate lift framing in relation to the main structure. | | | Struct. | |  |  | **7.3** | Specific dimensioning given to locate all framing in relation to the main structure. | | | Struct. |  |
| **6.4** | All RL’s of bottom of base plates shown. | | | Struct. | |  |  | **7.4** | All RL’s of bottom of base plates shown. | | | Struct. |  |
| **6.5** | All top of steel RL’s (TOS) given and set downs noted. | | | Struct. | |  |  | **7.5** | All top of steel RL’s (TOS) given and set downs noted. | | | Struct. |  |
| **6.6** | All column splice elevations given. | | | Struct. | |  |  | **7.6** | All member splices located | | | Struct. |  |
| **6.7** | “Between floor” members specifically dimensioned. | | | Struct. | |  |  | **7.7** | “Between floor” members specifically dimensioned. | | | Struct. |  |
| **6.8** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, Mechanical, and Architectural Drawings referenced and coordinated. | | | Struct. | |  |  | **7.8** | Hand and guard-rails specified and set out dimensions given. | | | Struct. |  |
| **6.9** | Connections fully specified. | | | Struct. | |  |  | **7.9** | Foot tread plate, foot mesh, ladder rungs and fixings specified and set out. | | | Struct. |  |
| **6.10** | Correct detail referencing. | | | Struct. | |  |  | **7.10** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, HVAC, Sprinkler, and Architectural Drawings referenced and coordinated. | | | Struct. |  |
| **6.11** | Other (specify) | | | Struct. | |  |  | **7.11** | Connections fully detailed. | | | Struct. |  |
|  |  | | |  | |  |  | **7.12** | Correct detail referencing. | | | Struct. |  |
|  |  | | |  | |  |  | **7.13** | Other (specify) | | | Struct. |  |

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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 5** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **8** | **OVERHEAD CRANE RUNWAY GIRDERS** | | | | | |  | **9** | **HVAC / SPRINKLER / ELECTRICAL SUPPORTS** |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  | **Item** | **Description** | | | **Responsibility** | **Date** |
| **8.1** | All relevant grids defined and dimensioned. | | | Architect | |  |  | **9.1** | All relevant grids defined and dimensioned. | | | Architect |  |
| **8.2** | All member sizes and orientations specified. | | | Struct. | |  |  | **9.2** | All member sizes and orientations specified. | | | Struct. |  |
| **8.3** | All RL’s of bottom of base plates shown. | | | Struct. | |  |  | **9.3** | Specific dimensioning given to locate all the framing in relation to the main structure. | | | Struct. |  |
| **8.4** | All top of steel RL’s (TOS) given. | | | Struct. | |  |  | **9.4** | All top of steel RL’s (TOS) given and set downs noted. | | | Struct. |  |
| **8.5** | Members specifically dimensioned. | | | Struct. | |  |  | **9.5** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, HVAC, Sprinkler and Architectural Drawings referenced and coordinated | | | Struct. |  |
| **8.6** | Pre-cambers specified. | | | Struct. | |  |  | **9.6** | Connections fully specified | | | Struct. |  |
| **8.7** | Special levelling tolerances specified. | | | Struct. | |  |  | **9.7** | Correct detail references | | | Struct. |  |
| **8.8** | Crane rail and crane rail attachment systems to girders adequately specified. | | | Struct. | |  |  | **9.8** | Other (specify) | | | Struct. |  |
| **8.9** | End buffer specified. | | | Struct. | |  |  |  |  | | |  |  |
| **8.10** | The design satisfies crane supplier requirements for serviceability and strength. | | | Struct. | |  |  |  |  | | |  |  |
| **8.11** | Any foot tread plate, foot mesh, and fixings specified and set out. | | | Struct. | |  |  |  |  | | |  |  |
| **8.12** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, HVAC, Sprinkler, and Architectural Drawings referenced and coordinated. | | | Struct. | |  |  |  |  | | |  |  |
| **8.13** | Girder splices located | | | Struct. | |  |  |  |  | | |  |  |
| **8.14** | Connections fully specified | | | Struct. | |  |  |  |  | | |  |  |
| **8.15** | Correct detail references | | | Struct. | |  |  |  |  | | |  |  |
| **8.16** | Other (specify) | | | Struct. | |  |  |  |  | | |  |  |

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| **DOCUMENTATION RESPONSIBILITY CHECKLIST** | | | | | | | | | | | **Page 6** | | |
| The checklist identifies the agreed responsibilities for the design and documentation of structural steelwork within this project. The default allocation of responsibilities may be modified to suit the project. | | | | | | | | | | | | |
| Project:  Date: | |  |  | |  | | |  |  | Steel Construction New Zealand | | | |
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| **10** | **CLADDING SYSTEMS** | | | | | |  |  |  |
| **Item** | **Description** | | | **Responsibility** | | **Date** |  |  |  | | |  |  |
| **10.1** | All relevant grids defined and dimensioned. | | | Architect | |  |  |  |  | | |  |  |
| **10.2** | All member sizes and orientations specified. | | | Struct. | |  |  |  |  | | |  |  |
| **10.3** | Specific dimensioning given to locate any framing for cladding panels in relation to the main structure. | | | Struct. | |  |  |  |  | | |  |  |
| **10.4** | All top of steel RL’s (TOS) given and set downs noted. | | | Struct. | |  |  |  |  | | |  |  |
| **10.5** | “Between floor” members specifically dimensioned. | | | Struct. | |  |  |  |  | | |  |  |
| **10.6** | Relevant steelwork plans, elevations, and connection Drawings, Architectural Drawings, and any other proprietary drawings referenced and coordinated. | | | Struct. | |  |  |  |  | | |  |  |
| **10.7** | Connections fully detailed | | | Struct. | |  |  |  |  | | |  |  |
| **10.8** | Correct detail referencing | | | Struct. | |  |  |  |  | | |  |  |
| **10.9** | Other (specify) | | | Struct. | |  |  |  |  | | |  |  |

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| **STRUCTURAL STEELWORK DRAWINGS LIST** | | | | | | | | | | | | | | | | |  |
| *List drawing numbers of all drawings necessary to prepare shop drawings, order materials, fabricate, coat, and erect steelwork required as part of the contract works*. | | | | | | | | | | | | | | |
| Project:  Date: | |  | |  | |  |  |  | |  | | Steel Construction New Zealand | | | |
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|  | **Drawing Category** | | **Drawing Title** | | **Drawing No.** | **Due date** | **Other Referenced Drawings** | | | | | | | | |
| Architect | HVAC | Mechanical | | Electrical | Civil | Sprinkler | Main Contractor | Other |
| **1** | General notes and specifications | |  | |  |  |  |  |  | |  |  |  |  |  |
| **2** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **3** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **4** | Plans | |  | |  |  |  |  |  | |  |  |  |  |  |
| **5** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **6** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **7** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **8** | Elevations & Sections | |  | |  |  |  |  |  | |  |  |  |  |  |
| **9** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **10** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **11** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **12** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **13** | Connections | |  | |  |  |  |  |  | |  |  |  |  |  |
| **14** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **15** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **16** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **17** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **18** | Stairs | |  | |  |  |  |  |  | |  |  |  |  |  |
| **19** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **20** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **21** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **22** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **23** | Lift Framing | |  | |  |  |  |  |  | |  |  |  |  |  |
| **24** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **25** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **26** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **27** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **28** | Walkways and Access Ladders | |  | |  |  |  |  |  | |  |  |  |  |  |
| **29** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **30** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **31** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **32** | Overhead Crane Runway Girders | |  | |  |  |  |  |  | |  |  |  |  |  |
| **33** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **34** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **35** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **36** | HVAC / Sprinkler / Electrical Supports | |  | |  |  |  |  |  | |  |  |  |  |  |
| **37** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **38** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **39** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **40** | Cladding Systems | |  | |  |  |  |  |  | |  |  |  |  |  |
| **41** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **42** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
| **43** |  | |  | |  |  |  |  |  | |  |  |  |  |  |
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| **48** |  | |  | |  |  |  |  |  | |  |  |  |  |  |

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| **DOCUMENTATION DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 1** | | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  | |
| Drawing type:  Drawing title:  Revision: | | **General Notes and Specifications** | | | Drawing Number:  Issue purpose:  Issue date: | | |  |  | | |  | | Steel Construction New Zealand | |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  | |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  | |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  | |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  | |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  | |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | | |
| **1.1** | Material grades specified for all structural items. | | | | M | | |  | |  | | | | | |
| **1.2** | Bolts completely specified (grade, installation procedures). | | | | C | | |  | |  | | | | | |
| **1.3** | Welding completely specified (weld type, grade, quality, sizes). | | | | C | | |  | |  | | | | | |
| **1.4** | Oversize hole criteria given for the typical conneciton holes. | | | | C | | |  | |  | | | | | |
| **1.5** | Oversize hole criteria given for the anchor bolt/base plate holes. | | | | C | | |  | |  | | | | | |
| **1.6** | Paint, galvanizing, and metal spray requirements specified. | | | | M | | |  | |  | | | | | |
| **1.7** | Paint and no-paint areas completely specified. | | | | C | | |  | |  | | | | | |
| **1.8** | Galvanized and metal spray areas completely specified. | | | | M | | |  | |  | | | | | |
| **1.9** | Drill in or masonry anchors specified. | | | | C | | |  | |  | | | | | |
| **1.10** | Standard notes complete. | | | | C | | |  | |  | | | | | |
| **1.11** | Shop drawing review procedures specified. | | | | C | | |  | |  | | | | | |
| **1.12** | All material, fabrication, and coating inspection and testing requirements specified. | | | | M | | |  | |  | | | | | |
| **1.13** | All special construction procedures and sequences specified. | | | | C | | |  | |  | | | | | |
| **1.14** | Passive fire protection requirements noted. | | | | M | | |  | |  | | | | | |
| **1.15** | Member seismic categories specified for elements of lateral load resisting systems. | | | | C | | |  | |  | | | | | |
| **1.16** | Fixings to timber elements specified. | | | | C | | |  | |  | | | | | |
| **1.17** | Construction category/categories specified. | | | | M | | |  | |  | | | | | |
| **1.18** | Weld failure consequence category/categories specified. | | | | C | | |  | |  | | | | | |
| **1.19** | Seismic weld demand category/categories specified. | | | | C | | |  | |  | | | | | |
| **1.20** | The extent of any steel elements subject to architecturally exposed structural steel requirements including AESS designation specified. | | | | M | | |  | |  | | | | | |
| **1.21** | Fabricator qualifications specified. | | | | M | | |  | |  | | | | | |
| **1.22** | Sourcing requirements to ensure the supply of compliant structural steels specified. | | | | M | | |  | |  | | | | | |
| **1.23** | Any amendments to AS/NZS 5131 default requirements specified (e.g., treatment grades, functional tolerances, Quality plans for CC2 projects etc.) | | | | M | | |  | |  | | | | | |
| **1.24** | Proprietory system specified. | | | | C | | |  | |  | | | | | |
| **1.25** | Propping requirements specified. | | | | M | | |  | |  | | | | | |
| **1.26** | Other (specify) | | | |  | | |  | |  | | | | | |

*Note: For Material Order Issue, all category M items must be checked; For Construction Issue, all category M and C items must be checked.*

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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 2** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Plans** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **2.1** | All grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **2.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **2.3** | Plan location and orientation of each column specified. | | | | C | | |  | |  | | | | |
| **2.4** | Specific location of each beam dimensioned. | | | | C | | |  | |  | | | | |
| **2.5** | Sufficient reference dimensions given in non-rectangular areas. | | | | C | | |  | |  | | | | |
| **2.6** | Beams requiring pre-cambering clearly identified. | | | | M | | |  | |  | | | | |
| **2.7** | Shear studs specified. | | | | M | | |  | |  | | | | |
| **2.8** | Details provided for any other special reinforcing plates to be included. | | | | C | | |  | |  | | | | |
| **2.9** | The purlin span details provided e.g., single, double, lapped and lap length. | | | | C | | |  | |  | | | | |
| **2.10** | Roof purlin bridging, fly bracing, and light cross bracing clearly specified and located. | | | | C | | |  | |  | | | | |
| **2.11** | Specific dimensions provided for trimming out openings for other trades e.g., Air conditioning ducts, Stair/lift voids. | | | | C | | |  | |  | | | | |
| **2.12** | Gutter slopes and fall directions clearly identified. | | | | C | | |  | |  | | | | |
| **2.13** | All relevant steelwork plans, elevations and connection drawings and Electrical, HVAC, Mechanical, and Architectural Drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **2.14** | Standard connection specified (e.g., WP30 NC) | | | | C | | |  | |  | | | | |
| **2.15** | Correct detail referencing | | | | C | | |  | |  | | | | |
| **2.16** | Other (specify) | | | | C | | |  | |  | | | | |
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*Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.*

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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 3** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Elevations and Sections** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **3.1** | All grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **3.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **3.3** | All RL’s of bottom of base plates shown. | | | | C | | |  | |  | | | | |
| **3.4** | All top of steel RL’s (TOS) given. | | | | C | | |  | |  | | | | |
| **3.5** | All column, rafter and beam splice locations given. | | | | M | | |  | |  | | | | |
| **3.6** | “Between floor” member locations specifically dimensioned. | | | | C | | |  | |  | | | | |
| **3.7** | Sufficient reference dimensions given in sloping areas. | | | | C | | |  | |  | | | | |
| **3.8** | Specific dimensions provided for trimming out openings for other trades e.g., Window/door openings. | | | | C | | |  | |  | | | | |
| **3.9** | Girts, hangers, fly braces and cross-bracing specifically dimensioned and located. | | | | C | | |  | |  | | | | |
| **3.10** | Supports for door opening machinery coordinated with door supplier. | | | | C | | |  | |  | | | | |
| **3.11** | Standard connections fully specified (e.g., WP30 NC) | | | | C | | |  | |  | | | | |
| **3.12** | Correct detail referencing | | | | C | | |  | |  | | | | |
| **3.13** | Other (specify) | | | | C | | |  | |  | | | | |
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*Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.*

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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 4** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Connections** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **4.1** | Columns | | | |  | | |  | |  | | | | |
| **4.1.1** | All base plates and hold down bolt connections designed, specified and sufficiently dimensioned. | | | | C | | |  | |  | | | | |
| **4.1.2** | Grout thickness’ sufficient to contain the jacking nuts. | | | | C | | |  | |  | | | | |
| **4.1.3** | The bottom ends of the hold down bolts sufficiently contained within the footings and sufficiently dimensioned. | | | | C | | |  | |  | | | | |
| **4.1.4** | Top ends of the hold down bolts sufficiently contained with finish floor and sufficiently dimensioned. | | | | C | | |  | |  | | | | |
| **4.1.5** | All other construction items such as rebar unaffected by the hold down installation. | | | | C | | |  | |  | | | | |
| **4.1.6** | The hold down bolt patterns sufficiently contained within the footings and sufficiently dimensioned. | | | | C | | |  | |  | | | | |
| **4.1.7** | Column to column splice details and locations | | | | C | | |  | |  | | | | |
| **4.1.8** | If required, column caps specified | | | | C | | |  | |  | | | | |
| **4.19** | Other (specify) | | | |  | | |  | |  | | | | |
| **4.2** | Beams | | | |  | | |  | |  | | | | |
| **4.2.1** | Other cast-in or site drilled connections designed, specified, and sufficiently dimensioned. | | | | C | | |  | |  | | | | |
| **4.2.2** | Cast-in’s sufficiently contained in the walls and/or floor slabs. | | | | C | | |  | |  | | | | |
| **4.2.3** | All other construction items, such as rebar, unaffected by the cast-in or site drilled connection installation. | | | | C | | |  | |  | | | | |
| **4.2.4** | Beams to cast-ins or drilled on-site connections. | | | | C | | |  | |  | | | | |
| **4.2.5** | Beam to beam one-sided | | | | C | | |  | |  | | | | |
| **4.2.6** | Beam to beam two-sided | | | | C | | |  | |  | | | | |
| **4.2.7** | Beam to beam splice | | | | C | | |  | |  | | | | |
| **4.3** | Beam to column | | | |  | | |  | |  | | | | |
| **4.3.1** | Non-moment beam to column flange | | | | C | | |  | |  | | | | |
| **4.3.2** | Non-moment beam to column web | | | | C | | |  | |  | | | | |
| **4.3.3** | Moment beam to column flange | | | | C | | |  | |  | | | | |
| **4.3.4** | Moment beam to column web | | | | C | | |  | |  | | | | |
| **4.3.5** | Beam on supporting column | | | | C | | |  | |  | | | | |
| **4.3.6** | Column to supporting beam | | | | C | | |  | |  | | | | |
| **4.4** | Bracing to beams or Columns | | | | C | | |  | |  | | | | |
| **4.5** | Connections for FOB items | | | | C | | |  | |  | | | | |
| **4.6** | Other (specify) | | | |  | | |  | |  | | | | |
| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |

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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 5** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Stairs** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **5.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **5.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **5.3** | Specific dimensioning given to locate the stairs in relation to the main structure. | | | | C | | |  | |  | | | | |
| **5.4** | All RL’s of bottom of base plates shown. | | | | C | | |  | |  | | | | |
| **5.5** | All top of steel RL’s (TOS) given and set downs noted. | | | | C | | |  | |  | | | | |
| **5.6** | All column splices located. | | | | M | | |  | |  | | | | |
| **5.7** | “Between floor” members specifically dimensioned. | | | | C | | |  | |  | | | | |
| **5.8** | Sufficient reference dimensions given in sloping areas. | | | | C | | |  | |  | | | | |
| **5.9** | Cast-in fixings to concrete work coordinated with concrete drawings. | | | | C | | |  | |  | | | | |
| **5.10** | All relevant steelwork plans, elevations, and connection Drawings and Architectural Drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **5.11** | Connections fully specified. | | | | C | | |  | |  | | | | |
| **5.12** | Correct detail referencing. | | | | C | | |  | |  | | | | |
| **5.13** | Other (specify) | | | | C | | |  | |  | | | | |
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| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |
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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 6** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Lift Framing** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **6.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **6.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **6.3** | Specific dimensions given to locate lift framing in relation to main structure. | | | | C | | |  | |  | | | | |
| **6.4** | All RL’s of bottom of base plates shown. | | | | C | | |  | |  | | | | |
| **6.5** | All top of steel RL’s (TOS) given and set downs noted. | | | | C | | |  | |  | | | | |
| **6.6** | All column splices located. | | | | C | | |  | |  | | | | |
| **6.7** | “Between floor” members specifically dimensioned. | | | | C | | |  | |  | | | | |
| **6.8** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, Mechanical, and Architectural Drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **6.9** | Connections fully detailed | | | | C | | |  | |  | | | | |
| **6.10** | Correct detail referencing | | | | C | | |  | |  | | | | |
| **6.11** | Other (specify) | | | | C | | |  | |  | | | | |
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| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |

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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 7** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Walkways and Access Ladders** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **7.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **7.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **7.3** | Specific dimensioning given to locate all framing in relation to the main structure. | | | | C | | |  | |  | | | | |
| **7.4** | All RL’s of bottom of base plates shown. | | | | C | | |  | |  | | | | |
| **7.5** | All top of steel RL’s (TOS) given and set downs noted. | | | | C | | |  | |  | | | | |
| **7.6** | All member splices located. | | | | C | | |  | |  | | | | |
| **7.7** | “Between floor” members specifically dimensioned. | | | | C | | |  | |  | | | | |
| **7.8** | Hand and guard-rails specified and set out dimensions given. | | | | C | | |  | |  | | | | |
| **7.9** | Foot tread plate, foot mesh, ladder rungs, and fixings specified and set out. | | | | C | | |  | |  | | | | |
| **7.10** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, HVAC, Sprinkler, and Architectural Drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **7.11** | Connections fully detailed. | | | | C | | |  | |  | | | | |
| **7.12** | Correct detail referencing. | | | | C | | |  | |  | | | | |
| **7.13** | Other (specify) | | | | C | | |  | |  | | | | |
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| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |
| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 8** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Overhead Crane Runway Girders** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **8.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **8.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **8.3** | All RL’s of bottom of base plates shown. | | | | C | | |  | |  | | | | |
| **8.4** | All top of steel RL’s (TOS) given. | | | | C | | |  | |  | | | | |
| **8.5** | Members specifically dimensioned. | | | | M | | |  | |  | | | | |
| **8.6** | Pre-cambers specified. | | | | M | | |  | |  | | | | |
| **8.7** | Special levelling tolerances specified. | | | | C | | |  | |  | | | | |
| **8.8** | Crane rail and crane rail attachment systems to girders adequately specified. | | | | C | | |  | |  | | | | |
| **8.9** | End buffers specified. | | | | C | | |  | |  | | | | |
| **8.10** | The design satisfies crane supplier requirements for serviceability and strength. | | | | M | | |  | |  | | | | |
| **8.11** | Any foot tread plate, foot mesh, and fixings specified and set out. | | | | M | | |  | |  | | | | |
| **8.12** | All relevant steelwork plans, elevations, and connection Drawings, Electrical, HVAC, Sprinkler, and Architectural Drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **8.13** | Girder splices located | | | | C | | |  | |  | | | | |
| **8.14** | Connections fully detailed. | | | | C | | |  | |  | | | | |
| **8.15** | Correct detail referencing. | | | | C | | |  | |  | | | | |
| **8.16** | Other (specify) | | | | C | | |  | |  | | | | |
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| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |
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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 9** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **HVAC / Sprinkler / Electrical Supports** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **9.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **9.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **9.3** | Specific dimensioning given to locate all the framing in relation to the main structure. | | | | C | | |  | |  | | | | |
| **9.4** | All top of steel RL’s (TOS) given and set downs noted. | | | | C | | |  | |  | | | | |
| **9.5** | All relevant steelwork plans, elevations, and connection Drawings and Electrical, HVAC, Sprinkler, and Architectural Drawings referenced and co-ordincated. | | | | C | | |  | |  | | | | |
| **9.6** | Connections fully specified | | | | C | | |  | |  | | | | |
| **9.7** | Correct detail references | | | | C | | |  | |  | | | | |
| **9.8** | Other (specify) | | | | C | | |  | |  | | | | |
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| **STEELWORK DRAWING COMPLETION CHECKLIST** | | | | | | | **Page 10** | | | | | | | | |  |
| Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | | |  |  |  |  |
| Drawing Type:  Drawing Title:  Revision: | | **Cladding Systems** | | | Drawing Number:  Issue Purpose:  Issue Date: | | |  |  | | | Steel Construction New Zealand |  |  |
| Other Non-Steelwork Drawings Referenced | | | | |  |  | |  |  | |  |  |  |  |
| **Consultant** | | | **Drawing** | **Aspect Governed** |  | | | **Consultant** | **Drawing** | | | **Aspect Governed** | |  |
| Architect | | |  |  |  | | | Civil |  | | |  |  |  |
| HVAC | | |  |  |  | | | Sprinkler |  | | |  |  |  |
| Mechanical | | |  |  |  | | | Main Contractor |  | | |  |  |  |
| Electrical | | |  |  |  | | | Other |  | | |  |  |  |
| **Item** | **Description** | | | | **Issue Category** | | | **Completion Checked** | | **Comments** | | | | |
| **10.1** | All relevant grids defined and dimensioned. | | | | M | | |  | |  | | | | |
| **10.2** | All member sizes and orientations specified. | | | | M | | |  | |  | | | | |
| **10.3** | Specific dimensioning given to locate any framing for cladding panels in relation to the main structure. | | | | C | | |  | |  | | | | |
| **10.4** | All top of steel RL’s (TOS) given and set downs noted. | | | | C | | |  | |  | | | | |
| **10.5** | “Between floor” members specifically dimensioned. | | | | C | | |  | |  | | | | |
| **10.6** | Relevant steelwork plans, elevations, and connection Drawings, Architectural Drawings, and any other proprietary drawings referenced and coordinated. | | | | C | | |  | |  | | | | |
| **10.7** | Connections fully specified. | | | | C | | |  | |  | | | | |
| **10.8** | Correct detail referencing. | | | | C | | |  | |  | | | | |
| **10.9** | Other (specify) | | | | C | | |  | |  | | | | |
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| *Note: For Material Order Issue, all category M items must be checked; For Construction issue, all category M and C items must be checked.* | | | | | | | | | | | | | | |
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