**Civil Works master Specification**

**Division 05**

**User Guide**

**ALBERTA TRANSPORTATION**

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Use this section to specify requirements for metal fabrications that will consist of galvanized steel, stainless steel, or aluminum. Typical items include overshot gates, trash racks, handrails, access covers, grating, ladders, stairwells, joint cover plates, embedded parts including anchor bolts, etc.

Carefully co-ordinate this section with other sections that include similar items or items fabricated from similar steel materials, e.g., structural shapes, plates, hollow sections, pipes, bolts, etc.

Close attention is required to the measurement and payment articles in Section 01280- Measurement Schedule for this work and other work that includes similar items, particularly in cases where metal fabrications specified in this section are being paid by a Unit Price per kilogram, and metal fabrications in other sections as part of a Lump Sum or by number.

Edit this section to suit the Contract requirements.

| **Heading of Specification Text** | **Specification Note** |
| --- | --- |
|  |  |
| Part 1 General |  |
|  |  |
| 1.1 References |  |
|  |  |
| 1.2 Submittals |  |
|  |  |
| [.3] | Include if required. |
|  |  |
| 1.3 Delivery, Storage, and Handling |  |
|  |  |
| Part 2 Products |  |
|  |  |
| 2.1 Materials | Modify as required to add or delete products. |
|  |  |
| [.2.3, .2.5, .2.6, & .2.10] | Include and edit as required. |
|  |  |
| [.3.1] | Include and edit as required. Galvanized steel ladders can also be used where appropriate. Provide details on the Drawings. |
|  |  |
| [.3.2] | Include and edit as required. Galvanized steel covers can also be used where appropriate, however the cover weight should be considered. Provide details on the Drawings. |
|  |  |
| [.4] | Add other Products as required. |
|  |  |
| 2.2 Shop Fabrication of Steel Components |  |
|  |  |
| .1 | CSA-W47.1 - Certification of Companies for Fusion Welding of Steel Structures certifies companies under 3 divisions. The standard indicates that the division required of companies to undertake a given Contract is specified by the designer. Review the CSA standard and specify the minimum division. It may be appropriate or economical to specify Division 1, the structural part of the work, and Division 3 for other parts of the work. |
|  |  |
| Part 3 Execution |  |
|  |  |
| 3.1 Installation |  |
|  |  |
| [.6] | Co-ordinate electrical grounding for metal fabrications near electrical equipment or instrumentation with Section [ ] - Grounding. |
|  |  |
| 3.2 Repair of Damaged Galvanized Coating |  |

**END OF COVER SHEET**

**END OF DIVISION 03 USER GUIDE**