

PART 1 - GENERAL

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| <u>1.1 RELATED SECTIONS</u> | .1 | Section 05 41 00: Load bearing metal stud system. |
| | .2 | Section 09 91 00: Painting. |
| <u>1.2 SHOP DRAWINGS</u> | .1 | Submit shop drawings in accordance with Sections 01 33 00 and 01 78 00. |
| | .2 | Shop drawings shall bear the stamp of a Registered Professional Engineer, registered in the Province of Ontario. |
| | .3 | Indicate materials, core thicknesses, finishes, connections, joints, method of anchorage, number of anchors, supports, reinforcement, details and accessories. |
| <u>1.3 MEASUREMENT PROCEDURES</u> | .1 | Payment for steel installed shall be measured in kilograms and shall include expansion anchors and adhesive anchors as required for steel connections. |

PART 2 - PRODUCTS

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| <u>2.1 MATERIAL</u> | .1 | Structural steel including base, cap plates and anchor bolts: to CSA G40.20-04(R2009)/G40.21-04(R2009), Grade 300W, minimum 30% total recycled content. |
| | .2 | Hollow structural sections: to CSA-G40.20-04 (R2009)/G40.21-04(R2009), Grade 350W, Class H, BOF minimum 30% total recycled content. |
| | .3 | Shop paint primer: CAN/CGSB-1.181-99 zinc rich primer. |
| | .4 | Zinc rich primer for galvanized surfaces: zinc rich, readymix to CAN/CGSB-1.181-99, Ecologo certified. |
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- 2.2 FABRICATION
- .1 Fabricate to CSA S16-09.
 - .2 Weld to CSA W59-03(R2008).
 - .3 Provide and reinforce holes required.
 - .4 Provide required connectors.
 - .5 Surface preparation: clean surfaces to receive primer using SSPC-SP 7, Brush-Off Blast Cleaning to provide an appearance after cleaning of SSPC-SP 6, Commercial Blast Cleaning to provide an appearance after cleaning of "BSA2" as determined from SSPC-VIS 1-89, Visual Standard for Abrasive Blast Cleaned Steel.
 - .6 Apply primer to steel surfaces providing a minimum dry film thickness of 70 um as determined in accordance with CGSB 85-GP-14M.

PART 3 - EXECUTION

- 3.1 ERECTION
- .1 Erect in accordance with CSA S16-09.
 - .2 Tolerance: 1:500.
 - .3 Supply other sections with base plates and anchors for building in.
 - .4 Connect with high tensile bolts.
 - .5 Restore damaged surfaces to appearance Grade BSA2 using mechanical cleaning methods as required.
 - .6 Touch up connections, scratches and burns with primer.