

PART 1 - GENERAL

- 1.1 RELATED SECTIONS
- .1 Section 05 41 00: Load bearing metal stud system.
 - .2 Section 09 91 00: Painting.
- 1.2 SHOP DRAWINGS
- .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.
- 1.3 MEASUREMENT PROCEDURES
- .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

- 2.1 MATERIAL
- .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.