

PART 1 - GENERAL

1.1 RELATED  
REQUIREMENTS

- .1 Section 09 91 13 - Exterior Painting.
- .2 Section 09 91 23 - Interior painting

1.2 REFERENCES

- .1 Canadian Institute of Steel Construction  
(CISC)/Canadian Paint Manufacturer's Association  
(CPMA)
  - .1 CISC/CPMA 2-75, Quick-Drying Primer for use on  
Structural Steel.
- .2 Canadian Standards Association (CSA)
  - .1 CSA G40.20-13/G40.21-13, General Requirements  
for Rolled or Welded Structural Quality Steel.
- .3 NB Occupational Health and Safety Act.

1.3 SOURCE QUALITY  
CONTROL

- .1 If requested by the Departmental Representative,  
submit copies of the mill test reports showing chemical  
and physical properties and other details of steel to  
be incorporated into work at least 4 weeks prior to  
fabrication of structural steel. Such mill test reports  
shall be certified by qualified metallurgists  
confirming that tests conform to requirements of  
CSA-G40.20 and CSA-G40.21.

1.4 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00  
- Submittal Procedures.
- .2 Fabrication Drawings:
  - .1 Submit fabrication drawings showing components.
- .3 Review of shop details and erection diagrams will  
extend to general design concept only. This review does  
not relieve the Contractor of the responsibility for  
accuracy of the detail dimensions, general fit-up of  
parts to be assembled, adequacy of connection details,  
or for errors or defects contained in the details.

<u>1.5 DELIVERY, STORAGE AND HANDLING</u>	.1	Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
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## PART 2 - PRODUCTS

<u>2.1 MATERIALS</u>	.1	Structural steel: CSA-G40.21 Grade 300W for plates and angles.
	.2	Acrylic adhesive for dowel and anchor rod anchorage: to ASTM C881/C881M, Type IV, Grade 3, Class A,B, and C.
	.1	Acceptable Products:
	.1	Epcon Acrylic 7 by ITW Ramset/Red Head.
	.2	HIT-HY 200 Injection Adhesive System by HILTI.
	.3	Acrylic-Tie Anchoring System by Simpson Strong-Tie
	.4	Alternate Materials: Approved by addendum in accordance with Instructions to Tenderers.

<u>2.2 FABRICATION</u>	.1	Fabricate steel, as indicated, in accordance with CAN/CSA-S16 and in accordance with reviewed shop drawings.
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<u>2.3 SHOP PAINTING</u>	.1	Clean, prepare surfaces and shop prime structural steel in accordance with CAN/CSA-S16.
	.2	Clean steel plate, remove loose mill scale, rust, oil, dirt and other foreign matter.
	.3	Prepare surface according to SSPC SP7 (brush-off blast).
	.4	Apply one shop coat of CISC/CPMA 2-75 primer in shop to achieve minimum dry film thickness of 37-50 micrometers (1½ to 2 mils).

- .5 Apply paint under cover, on dry surfaces only and when surface and air temperatures are above 5 degrees Celsius.
- .6 Maintain dry condition and 5 degrees Celsius minimum temperature until paint is thoroughly dry.

### PART 3 - EXECUTION

#### 3.1 GENERAL

- .1 Do work in accordance with CAN/CSA-S16.

#### 3.2 INSPECTION

- .1 Examine the work of the other sections upon which the work of this section depends and report any discrepancies to the Departmental Representative.
- .2 Verify that surfaces and conditions are ready to accept the work of this section.
- .3 Beginning of installation means acceptance of existing conditions.

#### 3.3 PRODUCT DELIVERY, STORAGE AND HANDLING

- .1 Exercise care in storing, handling, and erecting material and support materials properly at all times so that no piece will be bent, twisted, or otherwise damaged structurally or visually.

#### 3.4 FIELD TOUCH-UP

- .1 Touch up all damaged surfaces with cold applied zinc.

#### 3.5 CLEANING

- .1 Clean in accordance with Section 01 74 11 - Cleaning.
- .2 Waste Management: separate waste materials in accordance with Section 01 74 22 - Construction/Demolition Waste Management and Disposal.