
Part 1 General

1.1 RELATED SECTIONS

- .1 Section 03 20 00 - Concrete Reinforcing
- .2 Section 03 30 00 - Cast-in-Place Concrete

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CAN/CSA-S16.1-94 (R2000), Limit States Design of Steel Structures.
 - .2 CSA-S136-94, Cold Formed Steel Structural Members.
 - .3 CSA W47.1-92, Certification of Companies for Fusion Welding of Steel Structures.
 - .4 CSA W55.3-1965, Resistance Welding Qualification Code for Fabricators of Structural Members Used in Buildings.
 - .5 CSA W59-M1989, Welded Steel Construction, (Metal Arc Welding) Metric.

All Standards mentioned above shall be of latest Edition.

1.3 MEASUREMENT FOR PAYMENT

- .1 Steel deck will be measured in square meters incorporated in this work and will include supply, delivery, storage and erection, including all fasteners.

1.4 DESIGN REQUIREMENTS

- .1 Galvanized steel decking has been designed as formwork to carry concrete loads while curing. Once concrete has cured, the concrete deck is structurally independent.

1.5 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.

Part 2 Products

2.1 MATERIALS

- .1 Steel Deck: Galvanized composite, hi bond, structural quality grade 230 MPa, 1.52 mm minimum base steel thickness (16 gauge) with 76 mm deep flutes spaced at 152 mm center to center.
- .2 Galvanized coating shall conform to ASTM A.Z275 (G90).

Part 3 Execution

3.1 GENERAL

- .1 Structural steel work: in accordance with CAN/CSA-S136 and CSSBI 10M and CSSBI 12M.
- .2 Deck shall be connected to each pile caps and edge beams all around at 300 mm center to center in lower flutes with 16 mm diameter x 300 mm long galvanized steel lag bolts. Lag bolts shall be 150 mm into pile caps and 150 mm into concrete topping.
- .3 Fasten all deck laps with #10 screws (4.8 mm diameter) galvanized at 300 center to center.

3.2 INSTALLATION

- .1 Install steel deck in accordance with manufacturer's instructions.
- .2 Prior to concrete placement, steel deck to be free of soil, debris, standing water, loose mil scale and other foreign matter.
- .3 Place and support reinforcing steel as indicated.

3.3 CLOSURES

- .1 Install closures in accordance with approved details at all exposed edges.

END OF SECTION