

PART 1 – GENERAL

- 1.1 Related Work
- .1 Concrete Formwork: Section 03100
 - .2 Cast-in-Place Concrete: Section 03300
- 1.2 References
- .1 CAN/CSA-A23.1-M94, Concrete Materials and Methods of Concrete Construction.
 - .2 CSA W186-M1990, Welding of Reinforcing Bars in Reinforced Concrete Construction.
- 1.3 Substitutes
- .1 Substitute different size bars only if permitted in writing by Engineer.

PART 2 – PRODUCTS

- 2.1 Materials
- .1 Reinforcing steel: billet steel, grade 400 deformed bars to CAN/CSA-G30.12-M1977, unless indicated otherwise.
 - .2 Reinforcing steel: weldable low alloy steel deformed bars to CAN/CSA G30.16-M1977.
 - .3 Cold-drawn annealed steel wire ties: to CSA G30.3-M1983.
 - .4 Deformed steel wire for concrete reinforcement: to CSA G30.14-M1983.
 - .5 Welded steel wire fabric: to CSA G30.5-M1983.
 - .6 Chairs, bolsters, bar supports, spacers: to CAN/CSA-A23.1-M94.
 - .7 Mechanical splices: subject to approval of Engineer.
- 2.2 Fabrication
- .1 Fabricate reinforcing steel in accordance with CAN/CSA-A23.1-M77.
 - .2 Obtain Consultant's approval for locations of reinforcement splices other than those shown on placing drawings.
 - .3 Fabricate steel bar or rod mats welded together in accordance with CSA G30.5-M1983 using bars to CSA G30.12-M1977, grade 300.

PART 3 – EXECUTION

- 3.1 Field Bending .1 Do not field bend reinforcement except where indicated or authorized by Consultant.
- .2 When field bending is authorized, bend without heat, applying a slow and steady pressure.
- .3 Replace bars which develop cracks or splits.
- 3.2 Placing Reinforcement .1 Place reinforcing steel as indicated on drawings and in accordance with CAN/CSA-A23.1-M77.
- .2 Obtain Engineer's approval of reinforcing steel and position.
- .3 Slab reinforcement shall be supported by approved chains or using pieces of concrete block or brick. Do not use rocks.

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