

PART 1 - GENERAL

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| 1.1 | <u>Description</u> | .1 | This section specifies requirements for supplying and placing reinforcing steel for concrete work. |
| 1.2 | <u>Reference Standards</u> | .1 | Do concrete reinforcement work to CSA A23.1. |
| 1.3 | <u>Source Sampling</u> | .1 | Provide Departmental Representative with certified copy of mill test of steel supplied, showing physical and chemical analysis, minimum four (4) weeks prior to commencing work. |
| 1.4 | <u>Shop Drawings</u> | .1 | Submit shop drawings and bar list of rebar. |
| 1.5 | <u>Delivery and Storage</u> | .1 | To CSA A23.1 |
| 1.6 | <u>Measurement For Payment</u> | .1 | No separate measurements for payment to be made for items under this section. Include all costs incidental to the unit prices where concrete reinforcement is required under Section 03 30 00 Cast-In-Place Concrete. |

PART 2 - PRODUCTS

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| 2.1 | <u>Materials</u> | .1 | <u>Reinforcing Steel</u> - to CSA G30.12 billet steel, deformed bars having yield stress of 400 Mpa. |
| | | .2 | <u>Wire Ties</u> - to CSA G30.3, plain, cold drawn annealed steel wire. |
| | | .3 | <u>Supports</u> - to CSA A23.1. |
| 2.2 | <u>Fabrication</u> | .1 | Ship bundles of bar reinforcement, clearly identified in accordance with bar list to be supplied upon request. |

PART 3 - EXECUTION

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| 3.1 | <u>Field Bending</u> | .1 | Do not field bend reinforcement except where indicated or authorized by Departmental Representative. |
| | | .2 | When authorized, bend without heat, applying a slow and steady pressure. |
| 3.2 | <u>Placing</u> | .1 | Accurately place the reinforcing steel as indicated on the drawings and hold firmly during placing, compacting and setting of the concrete. |

- .2 Use approved type chairs to locate the reinforcing at the proper grade.
 - .3 Tie reinforcement where spacing in each direction is:
 - .1 Less than 300 mm: - tie at alternate intersections.
 - .2 300 mm or more: - tie at each intersection.
- 3.3 Cleaning
 - .1 Clean reinforcing before placing concrete to CSA A23.1.
- 3.4 Inspection
 - .1 Do not place concrete until Departmental Representative has inspected and approved reinforcement work in place.