PART 1 – GENERAL

1.1 RELATED WORK

.1 Refer to Section 01 33 00 for Shop Drawing/Submissions requirements.

1.2 REFERENCE STANDARDS

.1 Construct concrete formwork and false work in accordance with CSA standard A23.1-14 (or latest edition), Concrete Materials and Methods of Concrete Construction, except where stricter standards specify otherwise.

.2 CSA S269.1-1975 (or latest edition), Falsework for Construction Purposes.

.3 CAN/CSA-S269.3 (latest edition), Concrete Formwork.

1.3 SUBMISSIONS

.1 Shop Drawings:
.1 Upon request, submit to the Departmental Representative for review four (4) sets of formwork and falsework shop drawings, in accordance with Section 01 33 00, at least four (4) weeks prior to erection. All such drawings to be stamped and signed by a professional engineer registered in the Province of Prince Edward Island.
.2 Clearly indicate the method and schedule of construction, materials, arrangement of joints, ties, shores, liners, and locations of temporary embedded parts. Comply with CSA S269.1 for falsework drawings.

.2 Product Data/Samples:
.1 Provide product data and samples for form ties.

.3 Provide submissions in accordance with Section 01 33 00.

1.4 MEASUREMENT FOR PAYMENT

.1 This item will not be measured separately.

PART 2 – PRODUCTS

2.1 MATERIALS

.1 Formwork lumber: plywood and wood formwork materials to CSA A23.1.

.2 False work materials: to CSA S269.1.

.3 Form stripping agent: colourless mineral oil, free of kerosene, with viscosity between 70 and 110 s Saybolt Universal, 15 to 14 mm^2/s at 40DC, flash-point minimum 150DC, open cup.

.4 Form ties: removable or snap-off metal ties, fixed or adjustable length, free of devices leaving holes larger than 25 mm dia in concrete surface. When forms are removed, no metal will be less than 75 mm from the surface of the concrete.

PART 3 – EXECUTION

3.1 ERECTION

.1 Verify lines and levels before proceeding with formwork and ensure dimensions agree with drawings.

.2 Construct forms to produce finished concrete conforming to shape, dimensions, locations and levels indicated within tolerances required by CSA A23.1.

.3 Line forms with material only as approved

by the Departmental Representative.

.4 Construct falsework in accordance with CSA S269.1.

.5 Align form joints and make watertight. Keep form joints to minimum.

.6 Use 25 mm chamfer strips on external corners.

.7 Clean formwork in accordance with CSA A23.1, before placing concrete.

.8 Leave formwork in place for at least seven (7) days.

.9 Re-use of formwork and falsework subject to requirements of CSA A23.1.

.10 All holes from form ties and rods to be plugged with mortar to requirements or CSA A23.1. When forms are removed, no metal will be less than 75 mm from the surface of the concrete.

.11 Build in anchors, sleeves, other inserts required to accommodate work specified in other sections.

END OF SECTION