PART 1 - GENERAL

1.1 RELATED SECTIONS

.1 Section 05 50 00 - Miscellaneous Metals

.2 Section 06 05 73 - Wood Treatment.

1.2 REFERENCES

.1 Canadian Standards Association (CSA
.1 CAN/CSA-G164-M92 (R1998), Hot Dip Galvanizing of Irregularly Shaped Articles.
.2 CAN/CSA-0141-91 (R1999), Softwood Lumber.

.2 National Lumber Grades Authority (NLGA)
.1 Standard Grading Rules for Canadian Lumber 2000.

1.3 QUALITY ASSURANCE

.1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.

1.4 MEASUREMENT FOR PAYMENT

.1 Treated dimension timber supplied and installed for longitudinals, crossties, wales, splice blocks, fillers and other miscellaneous timber to complete the work will be measured by the cubic meter. Included will be all galvanized/stainless steel fastenings, plant, material, and labour.

1.5 Dimensions

.1 Construct and install dimension timber, to dimensions indicated on the drawings.

.2 Check dimensions before commencing work and report discrepancies to Departmental Representative.

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Use timber grade and stamped in accordance with applicable grading rules and standards of Associations or Agencies approved to grade lumber by Canadian Lumber Standards Administration Board of CSA.

.2 Species:
.1 Structural timber species: Hemlock or Douglas

Fir (CCA Treated).
.2 Grade: No. 1 Structural Grade with maximum of 20% of a lesser grade.

2.2 WOOD PRESERVATIVE

.1 In accordance with Section 06 05 73.

PART 3 - EXECUTION

3.1 INSTALLATION

.1 Comply with requirements of NBC 1995, Part 9 supplemented by following paragraphs.

.2 Install members true to line, levels and elevations, square and plumb.

.3 Construct continuous members from pieces of longest practical length.

.4 Install spanning members with "crown-edge" up.

.5 Install fasteners in accordance with Section 05 50 00.

.6 Do installation of dimension timber to CSA 086-M83.

.7 Precut timber prior to preservative treatment.

3.2 FIELD CUTTING TREATED TIMBER

.1 Field cuts are to be minimal to suit field conditions. Follow best practices by cutting and field preserving treated timber in one location over a ground sheet and collect all saw dust, scraps and drippings for disposal at an approved disposal site.

.2 Treat, in field, cuts and damage to surface of treated material with an appropriate preservative as described in CSA 080 Series-97. Ensure that damaged areas such as abrasions, nail and spike holes are thoroughly saturated with field treatment solutions as per CSA 080 Series-97.

.3 Treat bolt holes, cut-offs and field cuts in accordance with CSA 080 Series-97.

3.3 Timber Crossties

.1 Supply and install new crossties as indicated on the drawings or as directed by the Departmental Representative.

.2 Crosstie will be secured as indicated on the drawings.

3.4 Timber Longitudinals

.1 Supply and install new timber longitudinal as indicated on the plans or as directed by the Departmental Representative.

.2 Each longitudinal will be secured to the reinforced concrete footing with a 25mm diameter x 1200mm long anchor bolts as shown on the drawings and/or to the timber posts using a 22mm diameter Machine Bolts as indicated on the drawings.

3.5 Timber Posts

.1 New Timber Posts will be secured to both longitudinals and crossties using 22mm diameter Machine Bolts as indicated on the Drawings.

3.6 Timber Filler Blocks

.1 New timber filler blocks to be bolted between timber posts with 22mm diameter Machine Bolts as indicated.