Part 1 General

1.1 RELATED REQUIREMENTS

.1 The list of work sections in this division is indicative and non-exhaustive. It does not exclude the works described in the other specification sections, shown in the drawings or necessary for the execution of the works in keeping with overall intent of the plans.

.2 Section 05 12 23 – Steel construction.

.3 Section 06 10 00 – Carpentry.

.4 Section 06 18 00 – Glued-laminated construction.

1.2 SCOPE OF WORK

.1 Provide all labor, expertise, equipment and materials for the manufacture, delivery and erection of the complete structure of wood in perfect integrity with the other components.

1.3 WORK RELATED

.1 In addition to all the wooden parts required to estimate which this section refers, provide :

- .1 Connecting plates, bolts, studs and galvanized brackets for assembling the pieces of wood.
- .2 Plates, angles and anchor bolts to concrete.
- .3 Nails, screws and rivets.
- .4 Nails explosives and expansive anchors.
- .5 Nailing and hold.

1.4 REFERENCE CODES AND STANDARDS

.1 Unless otherwise indicated, use the most recent editions of reference standards.

- .1 Fabrication and performance according to standard O86.1 " Engineering Design in Wood " (Limit States).
- .2 Panels of wood chips oriented strand board (OSB) CAN / CSA O437.
- .3 Wood Plywood boards CAN / CSA O151 and CAN / CSA O121.
- .4 Lumber CAN / CSA O151.

1.5 SHOP DRAWINGS

.1 Before starting work, the Contractor shall submit for approval a copy of shop drawings for manufacturing the wooden framework clearly indicating the species , size , quality and strength of the pieces of wood used. Details of assemblies must be clearly indicated on the plans.

.2 On request of the Departmental Representative , provide assemblies calculation notes with shop drawings.

.3 The shop drawings shall be signed and sealed by a qualified and competent engineer , member of the Order of Engineers of Quebec.

.4 The shop drawings control procedure is only intended to allow the representative of the Ministry to take cognizance of the overall compliance of the work related to the contractual requirements . Comments and / or corrections affixed to these drawings exude anything the Contractor of its obligation to comply with all contractual requirements or constitute any guarantee or endorsement if an exemption from these requirements would be present.

1.6 ASSURANCE QUALITY

.1 Marking Wood : Classification print of an organization recognized by the Accreditation Council of the Canadian Commission for Standardization timber.

.2 Marking of plywood panels, oriented strand board and large particles (OSB) and wood composite panels : according to the relevant CSA standards and ANSI.

.3 Certification for sustainable development.

.1 Certified Wood : Submit a list of wood products used and satisfying to CAN / CSA- Z809.

Part 2 Products

2.1 MATERIALS

.1 All pieces of wood shoul be dry (max 15% of moisture).

.2 Unless otherwise indicated, all parts in the timber which the narrowest dimension is equal or less than 89 mm will SPF No. 1 or No. 2 and the parts the narrowest dimension is greater than or equal to 114 mm will type SPF # 1.

.3 Unless otherwise stated, the plywood will be manufactured in accordance with the 0121 standard " Douglas fir plywood ." Plywood walls and roof will be like " outer coating ".

.4 Assembly Organs: galvanized sheet steel conforming to ASTM A446.75 , Class "A" Zink Category 1 1/4 oz / ft2 with holes, pegs, teeth or claws ; spaced and uniformly shaped.

.5 Nails : galvanized steel, B111 conforms to the standard of the required dimensions.

.6 Provide and implement smooth and anchors for fixing in concrete in accordance with the details of the plans.

.7 Engineered wood :

.1 Engineered wood is any timber other than glued or softwood framing.

.2 Engineered wood must have the following minimum physical properties :

.1 Emin : 10 300 MPa.

.2 FBMIN : 25.8 MPa.

.3 Fvmin : 2.65 MPa.

.8 At the request of the representative of the Ministry, provide the technical data of the products used.

2.2 WOOD TREATEMENT

.1 When asked to plans or when wood is exposed to weather , treat the wood under pressure with alkaline copper quaternary condom (CAQ).

Part 3 Execution

3.1 REVIEW

.1 Verification of Conditions : before proceeding with product installation , ensure that the condition of the surfaces / materials previously implemented under other sections or contracts is acceptable and can perform the work in accordance with instructions written manufacturer.

.1 Visually inspect surfaces / materials in the presence of Departmental Representative.

.2 Immediately inform Departmental Representative of unacceptable conditions detected.

.3 Proceed with installation only after correcting the unacceptable conditions and written approval of the Departmental Representative.

3.2 MOUNTING

.1 Erect components according to standard O86.1.

.2 Provide adequately possible solicitations assembly.

.3 While positioning the structural members, the brace to keep the level and plumb up their integration into the framework.

.4 Fabricate continuous elements from parts having the largest width suitable for the work to which they are intended.

END OF SECTION