SECTION 06 1733
WOOD 'I' JOISTS

PART 1 - GENERAL

1.1 SUMMARY
A. Products Supplied But Not Installed Under This Section:
   1. Plywood web 'I' joists, web stiffeners, and components.

B. Related Sections:
   1. Section 06 1100: Installing, securing, bracing, etc.

1.2 SYSTEM DESCRIPTION
A. Design Requirements:
   1. Custom design joists under supervision of registered professional engineer. Designs shall be in accordance with allowable values assigned by building code approval.
   2. Only connections and webs currently approved by Research Committee of ICBO are acceptable for use.

1.3 SUBMITTALS
A. Shop Drawings:
   1. Include following information on submitted shop drawings:
      a. Stamp and signature of Engineer responsible for preparation of shop drawings.
      b. Show critical dimensions for determining fit and placement in building as well as loads joists are designed to support.
      c. Flange material and sizes.
      d. Size, thickness, and dimension of web.
      e. Lumber species and grades used.
      f. Web stiffener locations, make-up, and installation
      g. Name and trademark of Manufacturer.

B. Quality Assurance / Control:
   1. Complete design calculation showing internal layout, member forces, and stress control points for each joist design.
   2. Copies of ICBO reports showing approval of connections and webs.

1.4 DELIVERY, STORAGE, AND HANDLING
A. Store joists in vertical position protected from weather.

B. Handle with care to prevent damage.

PART 2 - PRODUCTS

2.1 MANUFACTURED UNITS
A. Provide joists that meet shear, moment, and stiffness properties shown on Drawings.
B. Type One Acceptable Manufacturers:
8. Equals as approved by Architect before bidding.  See Section 01 6000.

2.2 FABRICATION

A. Fabrication of joists shall be as approved by ICBO except where requirements of Contract Documents exceed ICBO requirements.

PART 3 - EXECUTION: Not Used

END OF SECTION