



### IPV4000 Ceiling Suspended Volleyball System

System shall consist of two (2) welded steel support structures suspended independently from the ceiling. The primary, vertical structural components shall be 4 1/2" OD, 1/4" wall mechanical tubing extending to within approx. 8'-2" of the finished floor with additional 2" schedule 40 (2 3/8" OD) pipe trussing welded to the vertical tube to add structural stability. The vertical primary tube and trussing pipe shall be welded to a 2" x 3" 11 ga. tube to form a single welded structure suitable for suspending from site specific 3" schedule 40 (3 1/2" OD) overhead support pipes. A 1" diameter eyebolt shall allow adjustment of structures at every attachment point. All hanger brackets shall be stamped and formed for maximum clamp contact surface and shall be pre-drilled for field drilling and insertion of spring pin on each clamp to eliminate clamp movement.

Each support structure shall be locked in place when lowered to the playing position by means of a folding diagonal brace that shall be no less than 2" schedule 40 (2 3/8" OD) pipe. Brace shall disengage when electric winch raises the structures.

A special 4" OD aluminum extrusion shall be permanently fitted into the lower end of the 4 1/2" OD vertical structure approximately 20" and provide for attachment of a low profile worm gear net tensioning winch. Net tensioning winch shall be attached to a track that moves up and down the aluminum extrusion allowing for infinite variable net height attachment from tennis (42") to men's volleyball (7'-11 5/8") net heights. System includes a 1 meter competition net, antennae, boundary markers and post padding and meets appropriate rules and standards for all levels of play.

With the system completely assembled and net tensioned, the entire system shall be retractable to the ceiling by means of a single 1 HP electric winch with 1/4" diameter, 7000# capacity aircraft cable and 4" diameter swiveling pulley assemblies. Raising and lowering of complete system shall be accomplished by means of traditional wall mounted key switch, Goal-Tender Wireless System, Gym Command II Control System, or Gym Command 7 Control System all wired to meet local codes in accordance with manufacturing instructions.

When lowered to the playing position, a breakaway foot locator pin assembly shall engage in a brass receiver in the floor and a urethane foot shall secure the bottom of the volleyball pole for maximum net tension and system stability.

All steel components shall have a polyester powder coat finish. All hardware shall be zinc plated, grade 5 or better.

Padding shall be available in 17 optional colors

Order official's stand separately.

<b>IPI by Bison, LLC Lincoln, Nebraska</b>	PROJECT	DATE
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