

# Solutions by

# YEADON®



**GREEN VALLEY ATHLETIC CLUB**  
R-12 Insulated Four-Court Structure  
Henderson, Nevada, U.S.A.



Interior view showing Zone-Controlled air ducts hung over player areas for maximum efficiency.

## R-PLUS INSULATED AIR STRUCTURES

Yeadon® is the North American pioneer for insulated air-supported permanent structures for both warm and cold snow climates. Our system incorporates a high efficiency glass fiber insulation, proprietary air handling ducts to minimize air stratification, and a sophisticated state-of-the-art computerized control system for maximum energy efficiency.

Over 30 years experience constructing quality Air Supported Structures for sports, industry and construction, has earned Yeadon® its reputation as the industry leader. Our state of the art, energy efficient structures incorporate the latest innovations in design, anchoring, mechanical, electrical and proprietary control systems.

Professional Sports College, University, Municipalities and Industry demand low cost, wide, clear span **Energy Efficient** Climate Controlled sport structures for increased comfort with cost effective running costs. Yeadon® provides R-Plus domes up to 360" (110m) wide by virtually any length, column free sports domes to meet the most demanding needs and specifications.

### Standards:

Yeadon® structures meet and exceed industry standards including Air Structures Design and Standards Manual ASI, ASCE, CSA CAN-S109, NFPA 701, UBC, BOCA.

### Uses:

Yeadon® R-Plus insulated Air Structures are ideal for permanent sport applications including - tennis and racquet sports, golf, soccer, hockey, football, cycling, as well as industrial warehouses, production and storage buildings.

### Technical Support:

Design, construction advice, specifications, preparation of tenders and bids, and a **24 hour HOT-LINE** service are all part of Yeadon's services.

## Put a Yeadon Specialist on your Team

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Yeadon® R-Plus Structures are also available for COLD CLIMATES, providing additional energy savings in heating fuels. Yeadon® has now developed an Air Structure design with an integral air-handling system and control package to move warmed air to the roof crest to melt snow on demand.



**EVERGREEN FITNESS & RACQUET CLUB, EVERGREEN CO.**  
2 COURT 67' W X 239' L X 33' H



Yeadon's R-PLUS Insulated Air Structures provide climate controlled temperatures and maximum energy efficiency for all sports.

## Specifications:

- **CLEAR SPANS** - up to 360' (110m) wide, by any length
- **OUTER FABRIC** - 28 oz or 32 oz/sq yd high quality Shelter-Rite® high tensile, flame resistant, PVC coated polyester fabrics (translucent or opaque), with 10 year pro-rated warranty
- FINISHES** - standard acrylic or Dupont Tedlar® protective coatings available
- **INNER THERMAL-ACOUSTIC LINER** - 14 oz/sq yd. high strength PVC coated polyester fabric with Yeadon® high gloss finish, in white, blue, or green. (custom colours also available).
- **MECHANICAL SYSTEMS** -
  - a) Furnace/Inflation/Standby - Yeadon® features their ALL-IN-ONE combination mechanical unit - custom designed, quiet, supplied with stainless steel heat exchangers, ETL and CGA approved, complete with remote station controls to operate and maintain structures, designed for underground ducts or direct discharge.
  - b) Yeadon® *Standby Units* - incorporate separate secondary fan systems for low pressure, with a separate engine - driven fan for power failure emergencies.
  - c) Air Cooling Units - designed for specific site conditions are available as an option.
  - d) Controls - Yeadon offers the most advanced automatic controls available, - the **Yeadon Wind Sensor Control** - using state of the art computerized controls for interior pressure, heating, and monitoring.
- **INSULATION** - Yeadon® offers its **R-PLUS** insulated structures for permanent installations. R-Plus structures are available from R-12.
- **BASE CHANNEL** - Yeadon® exclusive extruded and anodized aluminum channel is cast into concrete grade beams which ensures a virtually airtight low cost attachment of the structure to the concrete.
- **DOORS** - heavy duty high quality pre-assembled exit, revolving and pedestrian air lock door units, complete with exit lighting and hardware.
- **AIR LOCKS** - heavy duty, fabric covered steel framed vehicle airlocks for trucks etc. Supplied with electrically operated steel roll-up doors.
- **LIGHTING** - Yeadon high intensity metal halide indirect lighting systems, utilizes the most efficient optical reflectors, to provide maximum lighting uniformly on the playing surface. The fully faceted, heavy duty, impact resistant, glass finished optical assembly, provides energy efficiency characteristics for maximum levels of illumination and minimum maintenance.