

SPORTS COMPLEX BUILDING A





THE PLAYERS

Owner: Colony Capital Architect: Rockwell Group

Structural: McNamara / Salvia Inc.

MEP: E & S Construction Engineers

Electrical: B & R Electrical Services

Consulting: Acer Snowmec Consultants Ltd.

General Contractors: Turner

Whiting-Turner

Architecture

Building A of the Meadowlands Xanadu complex is designated as the sports district. All sports related retail stores and activities will be housed in this building. Building A has essential two sections; the south side of Building A will contain all the sporting good stores and restaurants while the north side of the building will house the Snowdome ski resort.

Electrical / Lighting

The complex is powered by a 480/277 Volt, three phase, four wire service. The power supply will be stepped down by 480 to 280/120 Volt transformers provided by individual tenants. The retail section's lighting is comprised of recessed metal halide down lights with 150 Watt T6 Cool White lamps. The ski resorts lighting is comprised of pendant mounted weatherproof metal halide globe fixtures with a 250 Watt lamp. The ski resort lighting is connected to a uninterrupted power supply for emergencies.

STATISTICS

Location: East Rutherford, New Jersey

Building A Size: 553,000 square feet

Construction Dates: June 2004 - November 2008 Overall Project Cost: \$2,000,000,000 base price

Delivery Method: Design-Bid-Build

Mechanical

The retail section of Building A is served by four rooftop air handeling units. The units only provide air to the common areas of the building while tentants will be responsible for their own system. The indoor ski resort is served by a single large air handeling unit. An underfloor gylcol cooling system will maintain near freezing tempeatures year round to maintain the quality of snow.

Structural

The foundation consists of 30 to 60 foot piles to anchor the structure into the swampy surroundings. The skeleton of the building is comprised of W-shape steel beams, columns and girders.

Indoor Ski Resort

The indoor ski resort will be the first in the United States. It will produce snow daily allowing for skiing all year round. The ski resort can also be converted for concerts and half pipe competitions.











SPORTS

Food

ENTERTAINMENT

FASHIO

EDUCATION

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C

JASON M. SAMBOLT

MECHANICAL OPTION