

**CASE STUDY**

Churchill Downs | Newport Racing & Gaming

A Converted Shopping Mall Track Extension of Churchill Downs

What started out as an adaptive reuse of an existing 25,000 square-foot Asian Buffet & Grill ended up expanding into the neighboring 14,000 square-foot former ACE Hardware next door. The new gaming facility operates 24/7 and features 500 historical racing machines (HRMs), a simulcast suite, a center bar with food and beverage offerings, a stage for live entertainment and promotions, administrative offices, back-of-house support spaces and an indoor smoking gaming area.

THE CONCORD DIFFERENCE

- Converting a former restaurant and former hardware store into one 24/7 gaming destination required a plan for updated utility connection points and durable equipment.
- Designing the casino for maximum capacity relative to all MEP/FP systems so all patrons can be served if the casino is full, even if that only happens one day per week.

THE CHALLENGE

- Convert a single-story old strip mall partitioned into 4 separate storefronts into one modernized infrastructure.
- Establish all new utility services to accommodate a drastic increase in electrical, water, drainage, and fire protection capacity for use as a 24/7 gaming facility.

CONCORD ENGINEERING SOLUTION

- Precise mechanical, electrical, teledata, plumbing and fire protection (MEP/FP) design.
- Leveraging automated controls and integrated modulation control in the MEP systems to dial back or increase output based on demand.
- Design systems to achieve perfect air balance independent of smoking areas being at full capacity or less.

LOCATION

Newport, Kentucky

SERVICES

MEP/FP Engineering
Design Consulting
Engineer of Record

PARTNERS

Churchill Downs

TAGS

Adaptive Reuse
Commercial Gaming

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