

New York Gaming Facility Location Board Response to Request for Applications to Develop and Operate a Gaming Facility in New York State

TIOGA DOWNS RACETRACK, LLC Exhibit VIII.C.18.a.



FIRM PROFILE

At The Harman Group, we believe that our clients can have the best of all worlds—Creative Design, Cost Efficiency and Exceptional Client Service. We continually expand our knowledge of state-of-the-art techniques and industry practices. Our people are the key to designing world class structures. Our team of seasoned professionals is large enough to handle major complex projects, while at the same time, we are able to get to know our clients intimately, listen to their needs and deliver on our promises. We are nimble enough to work on complicated, high-rise buildings as well as smaller renovations and everything in between. While our disciplines are complex, partnering with The Harman Group and getting results is really quite simple.

We listen. We respond. We deliver.

HISTORY

Since 1984, The Harman Group has worked with architects and owners on a wide range of structural engineering projects across many different industries. Our team of professionals includes structural engineers and parking designers plus a full support staff of BIM technicians and administrative personnel. Engineering excellence, innovative structural design solutions, quality assurance and economy of design are the four principals upon which The Harman Group's reputation is built. Because our firm is focused on structural engineering, we find the best solution to each project through maintaining and expanding on state-of-the-art techniques and industry knowledge.

SERVICES

At The Harman Group, every project receives senior level attention from planning to completion. And while our comprehensive capabilities cover all phases of structural engineering, our services start with our people. You'll find a seasoned team of professionals whose leadership, teamwork, dedication, and cooperation provide you with high quality designs and exceptional service.

Structural Engineering Services

- Full-service structural engineering for buildings and special structures
- Peer review / value engineering
- Structural restoration and adaptive reuse of buildings
- Special inspections
- Design/build
- Forensic structural engineering/expert witness
- Structural Steel Connection Design
- Construction Engineering
- Temporary Structures
- Structural Erection Procedures
- Sustainable / Green Design

QUALITY ASSURANCE

Our approach to quality is a unique and critical component to our service. Quality Assurance Manager and Principal in the firm, Clifford Schwinger, PE, is dedicated full-time to ensuring that value engineering and design quality is at the heart of every project we undertake. Quality Assurance is an ongoing activity within our organization, and is continuously updated to incorporate the latest technologies and methods. Senior-level review and control of design and documentation continue through all project phases, from studies and schematic design through construction administration and occupation. At each project milestone, senior team members meet with staff to review design progress, discuss potential design challenges and viability of building systems and components and confirm that key issues are addressed. Our QA program is vital to the success of each project and produces positive results by reducing/eliminating change orders, coordinating documents and reducing or eliminating alternates by contractors and producing efficient design while reducing or eliminating construction schedule delays.

EXPERIENCE

From conceptual studies to full-service structural design, we are engaged in a wide variety of project types for a diverse group of clients including architects, owners and developers in both private and public sectors, from corporations and educational institutions to municipalities and states. Our structural design experience includes steel, conventional, post-tensioned, and pre-cast concrete, timber and masonry, as well as various proprietary systems. Our engineers design buildings of all sizes and budgets, choosing the structural system that is most economical and best suited to each project. Our extensive restoration experience not only informs our design of new structures, it allows us to guide our clients toward the best use of maintenance funds to extend the life of their existing facilities.

Exhibit VIII.C.18.a. (cont.)



THE HARMAN GROUP
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REPRESENTATIVE GAMING PROJECT EXPERIENCE



Revel Entertainment Hotel Casino Resort,
Atlantic City, NJ



The Borgata Hotel Casino & Spa and
The Water Club at Borgata, Atlantic City, NJ



MGM Grand Casino and Hotel at Foxwoods,
Mashantucket, CT

Revel Entertainment Hotel Casino Resort, Atlantic City, NJ

A 5.8 million sf, 61-story hotel casino resort, including a 735-foot-tall casino hotel with provisions for a second residential tower of the same height and a 1.5 million sf gaming and entertainment facility.

The Borgata Hotel Casino & Spa, Atlantic City, NJ

A new 5.7 million sf hotel / casino complex including two 44-story hotel towers, totaling 3,000-rooms and 2.2 million sf, the tower is constructed of cast-in-place, post tensioned flat plate concrete; a 1.22 million sf, four-story, steel frame low-rise with 175,000 sf casino; a 1.53 million sf, eight-level, 5,300-car parking structure.

North Expansion: A three-phase expansion to the Borgata, including; A two-story steel frame structure containing 314,500 sf of retail and entertainment area including renovation to 20,000 sf in the existing complex, renovation of 16,000 sf for a new food court and renovation of 3,000 sf of the existing building to expand the spa facilities.

The Water Club by Borgata: An 831,000 sf, cast-in-place concrete on the Filigree™ precast flat slab system; 39-story hotel tower providing 755 guest rooms and 45 suites, conference amenities, retail space, a spa and three pools.

MGM Grand at Foxwoods, Mashantucket, CT

A 1.2 million sf, 30-story facility featuring a 594,000 sf, 30-story cast-in place, post-tensioned concrete 825-room hotel tower above a three-story low-rise building including a steel-framed casino and entertainment facility. The low-rise includes a 50,000 sf casino; 125,000 sf of ballroom, exhibit, and meeting facilities; a 50,000 sf multi-purpose 4,000-seat world class theater; night clubs; restaurants; retail shops; and a spa with outdoor pool terrace.

Trump Taj Mahal, Atlantic City, NJ

Chairman Tower

A 750,000 sf, 41-story hotel tower constructed with cast-in-place concrete as an expansion to the existing Taj Mahal in Atlantic City. The central core of the shearwalls is jump formed and poured along with the floors within the core. Outside of the core a 10" Filigree voided slab system was used to reduce costs and maintain schedule.

Multipurpose Arena Expansion

A 140,000 sf expansion to the existing Taj Casino including a 73,000 sf clearspan multi-purpose arena.

Foxwoods Casino, Philadelphia Entertainment and Development Partners, Philadelphia, PA

Design for a 3,700,000 sf steel-framed casino complex on 16.5-acres on South Philadelphia's Delaware River waterfront. The project includes a casino, shops, restaurants, entertainment venues, a 4,200-car parking facility and public riverfront walkway.

SugarHouse Casino, Philadelphia, PA

A 110,000 sf two-story steel framed casino facility constructed on a 22.6-acre site on Philadelphia's Delaware River waterfront. Includes 3,000 slots and an array of restaurants and boutique retail stores, with the option for future development to include expanded gaming, a 500-room hotel, event center, and additional retail.

Exhibit VIII.C.18.a. (cont.)



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REPRESENTATIVE GAMING PROJECT EXPERIENCE



Trump Taj Mahal Chairman Tower, Atlantic City, NJ

Rivers Casino, Pittsburgh, PA

A 480,000 sf, three-story steel framed casino entertainment facility and a 3,800-car, 1.3 million sf parking facility.

Mohegan Sun at Pocono Downs, Plains Township, PA

A 400,000 sf, single story gaming facility, including a pedestrian bridge from the casino to the racetrack, a porte-cochere, and a 60-foot-tall feature tower. The project also included renovation of the existing racetrack Grand Stand and a two-story steel frame addition for a 58,000 sf, 1,000-slot expedited gaming entertainment facility.

Tioga Downs Expansion, Nichols, NY

A hotel, amenity, casino and office expansion, featuring a 84,000 sf, six-story hotel with 136 guestrooms; a 57,000 sf, two-story amenity podium adjacent to the existing casino building with two patio / decks totalling an additional 23,500 sf; a 17,400 sf, one-story expansion to the casino and a second floor vertical expansion; for offices and a 3½-level post-tensioned parking structure for 300 cars.

Valley View Downs, Lawrence County, PA

Design for a 250,000 sf, three-story casino/grandstand building with a 25,000 sf porte cochere. Located just outside of Pittsburgh, the facility features one-mile track harness racing, 3,000 slots, video poker, race book tele-theater and restaurants. This design is meant to evolve the concept of the racino and the multi-focused venue while reinforcing the integration of the racing and gaming elements of the facility.

Mount Airy Resort Hotel and Casino, Paradise Township, PA

A seven-story, 168,000 sf, 188-room steel framed hotel and a 150,000 sf, two-story steel framed casino/entertainment building including a 62,000 sf casino with over 2,500 slot machines.

Buffington Harbor Casino Resort, Gary, IN

Phase I

A 100,000 sf structure consisting of one- and two-story landside buildings and bridges which serve the mooring structure and barge facilities for a riverboat casino facility. Aluminum trusses supporting a fabric skin are employed for a 65,000 sf pavilion space to achieve clearspans up to 120 feet. Steel framed mezzanines are constructed within the volume of the fabric building. Steel framed entertainment and gangways serve the casino boat.

Golden Nugget, Atlantic City, NJ

A renovation of a 75,000 sf existing casino previously known as the Trump Marina, including fit-out of a new restaurant and retail spaces; a 4,500 sf addition for a new nightclub; select building column removal and replacement; review of the existing structure for support of new topping slabs throughout the existing casino; support of large chandeliers in the main atrium; and building façade inspection for the façade for both the casino and the hotel tower.



SugarHouse Casino, Philadelphia, PA



Rivers Casino, Pittsburgh, PA

Exhibit VIII.C.18.a. (cont.)



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REPRESENTATIVE GAMING PROJECT EXPERIENCE



Mohegan Sun at Pocono Downs, Plains Township, PA

Valley Forge Casino, King of Prussia, PA

Adaptive reuse of 68,000 sf of the existing convention center for use as a new casino, which features gaming, a high-limits gaming area and a food court. The project also included a new porte cochere, a self-park entrance canopy and a new feature stair in the lobby. An architectural feature was also added to the front entrance to enclose an egress stair.

Plainridge Casino, Plainville, MA

A one-story casino expansion to an existing 60,000 sf, two-story racino. The expansion, built from a mixture of conventional steel superstructure and pre-engineered metal building, adds approximately 120,000 sf of casino, restaurant and back-of-house space. The project also includes a porte-cochere.



Mount Airy Resort Hotel and Casino,
Paradise Township, PA

Spotlight 29 Casino Resort, Coachella, CA

A 60,000 sf free standing casino consisting of a 20,000 sf casino, a 300-seat coffee house, back of house spaces and an entry porte-cochere. Renovations to an existing 85,000 sf, two-level casino building includes a 2,500 sf expansion for backstage facilities.

Caesar's Hotel & Casino, Atlantic City, NJ

Planet Hollywood Renovations

Modifications and renovations to 20,000 sf of the existing Caesar's Atlantic City Hotel and Casino, including 8,000 sf of new floor framing.

Bally's Grand Hotel & Casino, Atlantic City, NJ

Transportation Center Renovations

Renovations to 16,000 sf of an existing transportation center including new floors and walls to increase capacity of bus garage.

Computer Support Center

A 4,000 sf steel frame addition above casino space to house computer and related data processing equipment.

Pedestrian Bridge

An enclosed suspended pedestrian walkway connecting the parking garage and transportation center to the hotel/casino including a pedestrian bridge spanning 73 feet between casino and parking garages, providing a 16-foot clear height below. The structure consists of steel beams and a concrete floor with a glass skylight roof.



Golden Nugget Atlantic City, NJ

Sands Hotel & Casino, Atlantic City, NJ

1,900-Car Parking Structure

A 12-level, 650,000 sf, 1,900-car post-tensioned concrete parking structure.

Pedestrian and Vehicle Bridge

Two steel frame and concrete deck pedestrian bridges spanning 20 and 55 feet at the third level, and one precast concrete vehicle bridge spanning 20 feet in between adjacent garages.



Valley Forge Casino, King of Prussia, PA

Dover Downs Hotel Expansion, Dover, DE

A ten-story, 210,000 sf, 200-room hotel expansion constructed with reinforced masonry bearing walls and precast concrete floor units.

Exhibit VIII.C.18.a. (cont.)



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MALCOLM D. BLAND, PE, LEED AP
Vice President



EDUCATION

Leeds University, England
Master of Engineering
Architectural Engineering, 1993

Villanova University
Master of Science
Civil Engineering, Structural Concentration,
2003

PROFESSIONAL LICENSES

Professional Engineer: Pennsylvania, New
Jersey, Delaware, Maryland, Connecticut
LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

American Concrete Institute, Delaware
Valley Chapter
American Society of Civil Engineers (ASCE)
British American Business Council (BABC)
Delaware Valley Association of Structural
Engineers (DVASE)
Delaware Valley Green Building Council
(DVGBC)
Structural Engineering Institute
Delaware Valley Green Building Council

EXPERIENCE

The Harman Group, Inc., King of Prussia, PA:
Consulting Structural Engineers
2006-present: Vice President, Principal
2005: Senior Associate
2000-2005: Project Manager/Associate
1999-2000: Project Manager
1993-1999: Project Engineer

REPRESENTATIVE PROJECT EXPERIENCE

HOSPITALITY & GAMING

Revel Entertainment Hotel Casino Resort, Atlantic City, NJ

A 61-story, 5.8 million sf hotel casino resort which includes a 700-foot-tall casino hotel with provisions for a second residential tower of the same height and a 1.5 million sf gaming and entertainment facility.

Gaylord National Harbor Resort and Convention Center, Prince George's County, MD

A 2.2 million sf hotel and convention center complex, including a 1,500-room concrete frame hotel with three towers— 20-story, 12-story, and eight-story; an 87,000 sf glass-roofed, glass-walled atrium; and a 1 million sf convention facility with 180,000 sf of exhibit space.

MGM Grand at Foxwoods Resort & Casino, Mashantucket, CT

A 30-story facility totaling 1.2 million sf. The tower is comprised of a 27-story, 594,000 sf cast-in-place concrete 825-room hotel above a three-story, 647,000 sf, steel frame low-rise casino and entertainment facility. The low-rise includes a 50,000 sf casino; 125,000 sf of ballroom, exhibit, and meeting facilities; 50,000 sf multi-purpose theater; night clubs; restaurants; retail shops; and a spa with outdoor pool terrace.

Chairman Tower at Trump Taj Mahal, Atlantic City, NJ

A 41-story, 750,000 sf hotel tower constructed with cast-in-place concrete as an expansion to the existing Taj Mahal in Atlantic City. The central core of the shearwalls is jump formed and poured along with the floors within the core. Outside of the core a 10" Filigree voided slab system was used to reduce costs and maintain schedule.

Rivers Casino, Pittsburgh, PA

A three-story, 480,000 sf casino entertainment facility on two levels and a parking facility.

SLS International Hotel & Residences, Philadelphia, PA

A 47-story, 423,000 sf hospitality/residential building featuring a 150-key boutique hotel; 125 luxury condominiums; a restaurant; ground-level retail; an indoor/outdoor pool, spa and fitness center; a 6,000 sf double-height glass ballroom; and meeting facilities. The building also includes one level of underground parking and two levels of above-grade parking with 270 valet spaces via the use of mechanical stackers.

Mohegan Sun at Pocono Downs, Plains Township, PA

A single story, 400,000 sf gaming facility, including a pedestrian bridge from the casino to the racetrack, a porte-cochere, and a 60' tall feature tower. Designed to accommodate future expansions on two sides of the building and a future bridge to the future parking structures. Additionally, project involves the renovation of the existing racetrack Grand Stand and a two-story addition for a 58,000 sf, 1,000-slot expedited gaming entertainment facility.

Sofitel Hotel, Philadelphia, PA

Conversion of a 12-story, 190,000 sf concrete office building to a 320-room hotel including a 90,000 sf steel frame addition and two supported parking levels.

Gateway West/Regal/Red Roof Inn, Philadelphia, PA

Feasibility study of an 18-story, 276,000 sf mixed-use development including an 18-screen "stadium seating" cinema, a 300-room hotel, restaurant and lobby spaces.

Exhibit VIII.C.18.a. (cont.)



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MALCOLM D. BLAND, PE, LEED AP
Vice President

Buffington Harbor Casino Resort, Gary, IN

Phase I

100,000 total sf structures consisting of one- and two-story landside buildings and bridges which serve the mooring structure and barge facilities for a riverboat casino facility. Aluminum trusses supporting a fabric skin are employed for 65,000 sf pavilion space to achieve clearspans up to 120 feet. Steel framed mezzanines are constructed within the volume of the fabric building.

Phase II

A 12-story, 225,000 sf, 300-room post tensioned concrete flat plate hotel as part of a lake front casino resort facility.

Marriott Conference Hotel at Lafayette Yard, Trenton, NJ

A seven-story, 154,000 sf, 197-room precast plank masonry-bearing wall hotel and steel-frame, concrete slab conference center with a 6,000 sf ballroom. Also includes arcade, which provides a covered walk from the parking garage to the adjacent Historic War Memorial in downtown Trenton.

Spotlight 29 Casino Resort, Coachella, CA

Renovations to an existing two-level, 85,000 sf casino building; 2,500 sf expansion for back stage facilities; and a new 60,000 sf building consisting of a 20,000 sf casino, 300-seat coffee house, back of house spaces and an entry porte-cochere.

SugarHouse Casino, Philadelphia, PA

A two-story, 110,000 sf steel framed casino facility constructed on a 22.6-acre site on Philadelphia's Delaware River waterfront. Includes 3,000 slots and an array of restaurants and boutique retail stores, with the option for future development to include expanded gaming, a 500-room hotel, event center, and additional retail.

Newark Airport Marriott Hotel, Newark, NJ

Expansion

Feasibility study of a nine-story, 105,000 sf post-tensioned hotel tower addition.

Valley Forge Casino, King of Prussia, PA

Adaptive reuse of 68,000 sf of the existing convention center to be converted to a new casino, which features gaming, a high-limits gaming area and a food court. The project also included a new porte cochere, a self-park entrance canopy and a new feature stair in the lobby. An architectural feature was also added to the front entrance to enclose an egress stair.

Plainridge Casino, Plainville, MA

A one-story casino expansion to an existing two-story, 60,000 sf racino. Built from a mixture of conventional steel superstructure and pre-engineered metal, the expansion adds approximately 120,000 sf of casino, restaurant and back-of-house space. The project also includes a porte-cochere.