

# Aquarium Hilton Garden Inn Atlanta, Georgia



## Project Team

Owner:	Legacy Pavilion, LLC
GC:	Holder Construction Company
Architect:	Stevens & Wilkinson/Stang & Newdow
Structural Engineer:	KSI Structural Engineers
MEP Engineer:	B & A Consulting Engineers

## Project Overview

Function:	Parking Deck/Hotel/Retail/Entertainment
Construction Dates:	June 2006 – October 2007
Size:	458,809 SF
Cost:	\$45,262,294

## Project Features

- 242 Hotel Rooms Spread Throughout 14 Floors (Approx 202,464 SF)
- Parking Deck Featuring 670 Spaces Over 12 Floors (Approx. 256,345 SF)
- Approximately 14,200 SF of Retail Space on Lower Level of Hotel
- Approximately 8831 SF Sky Bar w/ Mezzanine on 14 Floor of Hotel
- Two Restaurants in Hotel Area
- Outdoor Pool/Spa and Indoor Pool on 7th Level of Hotel storefront glazing and aluminum panels
- Storefront Glazing, Aluminum Panel, and EIFS Façade
- Metal Deck with 3 Layers of Insulation with an Elastomeric Sheet Membrane

## Structural System

- Parking Deck is a cast in place concrete (long-span) structure
- Hotel consisting of cast in place (short-span) structure
- Post Tensioning to be used in slabs and beams
- 3000psi, 3500psi, 4000psi and 5000psi concrete are all to be used

## Mechanical, Electrical, and Lighting

- Two 790GPM/Cell Cooling Towers
- Three Rooftop Air Conditioning Units Ranging from 2213 CFM to 2510 CFM
- One 20,565/19,125 CFM Rooftop Recovery Unit
- Each Hotel Room has individual Heating/Cooling System
- 120 and 277 Volt Lighting with wattage ranging from 75-1000 Watts
- 36 – 277/480V Panelboards and 46- 120/208 Panelboards service area

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*John Dixon*

*Construction Management*

CPEP Website: <http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/JPD210/>