

PROJECT EXPERIENCE

HARBORCHASE OF THE PARK CITIES

DALLAS, TEXAS



YEAR COMPLETED:

January 2018

OWNER:

Silverstone Healthcare Company

CLIENT NAME:

BOKA Powell

RLG SERVICES:

Structural Engineering

PROJECT DESCRIPTION /SCOPE:

Silverstone Healthcare Company, enlisted RLG Consulting Engineers to provide structural engineering services for its new location, HarborChase of the Park Cities. Located near the Dallas North Tollway and Preston Center – the structure is 151,400 square feet and features eight stories with 134 luxury apartments.

RLG provided structural design services to assist with the tiered construction, which required multiple columns to be transferred as the building exterior steps back. RLG met this challenge and worked with the architect and MEP team to coordinate column locations and transfer girder depths and configurations. The result is spacious units with unique and flexible common areas all featuring high ceilings.

Additionally, RLG designed the entrance plaza located over the underground parking garage to accommodate fire truck traffic for emergency situations. The atypical high load is accommodated utilizing a mild reinforced two-way slab system consistent with other systems used in the building, providing an efficient and cost-effective solution.

Select transfer girders throughout the building requiring additional redundancy were designed and detailed to utilize a bonded post-tensioning system. RLG's team of structural engineers are well versed in this technology having utilized this system on multiple projects to transfer high loads not typically seen in normal construction.