

PROJECT EXPERIENCE

MUZE STUDENT LIVING

AUSTIN, TEXAS



YEAR COMPLETED:
2019

OWNER:
Parallel Company

ARCHITECT:
Rhode Partners

CONSTRUCTOR:
Rogers-O'Brien Construction

RLG SERVICES:
Structural Engineering

PROJECT DESCRIPTION / SCOPE:

RLG Consulting Engineers in partnership with Rhode Partners, Parallel Company and Rogers-O'Brien Construction provided structural engineering services for Muze Student Living (2100 Nueces). The 18-story student housing development is located three blocks away from The University of Texas in the West Campus neighborhood, and features 158 units, consisting of studios, one-, two-, three- and four-bedroom fully furnished apartments.

The building consists of three levels of below grade parking, two above grade parking levels and 15 stories of residential units including an amenity space on level 18 with an exterior pool deck. Designed with students in mind, residents have access to Wi-Fi throughout the property, on-site garage parking with 167 spaces, study lounge with public and private study rooms, on-site yoga and meditation classes, PC and Mac bar, rooftop pool, outdoor rooftop theater, outdoor rooftop gourmet kitchen, fitness center, top-floor sky lounge and much more.

RLG's team of structural engineers provided engineering services for the building's various uses including the parking garage, water detention tank, amenity deck with pool, foundations including the basement walls, and the building's vertical and lateral systems. Due to the site's height restrictions, the building was subject to strict floor to floor heights. RLG was able to reduce the thickness of the floor plates to save height and prevent the loss of a floor. To allow clear access to the garage, a transfer girder was designed to support the column and 15 floors above. RLG was tasked with minimizing the structure depth of the level-18 amenity deck. To do so, RLG was able to provide an efficient thin flat plate solution to accommodate building height restrictions.

The building is currently under construction with plans to pursue certification from the National Green Building Standard and Austin Energy Green Building.