Königshof München, Germany

BACKGROUND:
In late 2014 the Spanish architecture firm Nieto Sobejano have won 1. Place in an invited international architecture competition to replace the aging Hotel Königshof, one of the most iconic and prestigious hotels in that city, built in the 1950s.

http://www.nietosobejano.com/project.aspx?i=33&t=hotel_k%C3%96nigshof

The hotel is located in the heart of Munich’s old city with Karlsplatz, aka: Stachus, at its center. The square is surrounded by most important buildings such as a remaining gothic gate of the now demolished medieval fortification (13th century) and the so-called ‘Rondell buildings’, historically significant structures on both sides of the square, designed by Gabriel von Seidl between 1899-1902. Other buildings on the opposite west side of the square are the neo-baroque Justizpalast (Palace of Justice/State Courthouse) and the Kaufhof, the first postwar department store of Munich (by Theo Pabst, 1950/1951).


In several underground levels Karlsplatz houses a large shopping center and several metro stations. Furthermore the square serves as an ‘anchor’ to Munich’s famous pedestrian zone between Marienplatz, Neuhauser Strasse / Kaufinger Strasse) which is home to numerous shops and restaurants and site of Germany’s highest sales revenue-per-square-meter ratio.
PROJECT:
The semester long project is organized into three phases:
1. Students in this studio will analyze the published winning entries, including the proposal by Nieto Sobejano on the basis of the competition documents.
2. This step is followed by the design of a modern five-star hotel, including back-of-house functions, state-of-the-art mechanical systems, and advanced wall-enclosure systems on the proposed site in Munich.
3. In a final step the studio design proposal will be analyzed on the basis of local climatic conditions; wall assembly designs will be analyzed with the use of thermal and hygric simulation software.

STUDIO FOCUS: The focus of the studio will be on:

a) Concepts and design integration of advanced low- to zero-energy strategies, and advanced interior comfort climatic, and ventilation systems
   • Extensive studies of hotel specific functional requirements, space qualities, suitable structural systems, studies of appropriate primary-structural materials and enclosure systems.
   • Detailing of modern enclosure systems incl. elements of advanced roof/skylight design (smoke and heat vents, mechanical smoke exhaust systems, and draft curtains and integrated façade concepts)
   • Detailing of in-room comfort systems at various scales
   • The construction of physical models at various scales will be an integral part of the studio requirement.
   • Climate studies and wall assembly simulation are required.

ADDITIONAL NOTES:

Important:
While not required it is highly recommended to enroll in Prof. Hammann’s seminar ARCH 576 “Climate Design”, Spring 2016 when selecting this studio.

This is a group project of two students working on one design.

Thermal-/hygric simulation software installed on school computers will be made available for use in this studio.

Site model construction will be an all-class project.

All project documentation for this studio project will be required in metric scales.