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# Steel Connections: A Teaching Aid for Design Considerations Qnect Videos

## *Instructions for Instructors*

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## Introduction

These videos and suggested activities were created in coordination with the authors of the "Unified Design of Steel Structures, 3<sup>rd</sup> Edition": Louis Geschwindner, Judy Liu, and Charles Carter. You do not need to use the textbook in class to have access to this teaching aid. However, in their textbook, the authors use an integrated design project to demonstrate different design aspects in a case study building. The building is the Downers Grove Office Building. This building will be used in this teaching aid to demonstrate different aspects of connection design. Dr. Judy Liu created a "Quick Guide to the Integrated Design Project and Qnect," which has been included in this teaching aid. If you want to find out more or look for an updated copy of that document, you may find it at [steelstuff.com](http://steelstuff.com) under the "Students" page.

The guide is a comprehensive pdf document that supplements the videos. Below is the most important information that you as the instructor will need to know to get your students set up with Qnect and the Downers Grove model. You may refer to the Quick Guide for more information.

## Qnect Accounts

Qnect is web-based and is installed as a plug-in with Tekla. In order to install Qnect, you must first set up an account. In order to have free accounts set up for your students, instructors must email [judy.liu@oregonstate.edu](mailto:judy.liu@oregonstate.edu) with the names and email addresses of all individuals requesting a Qnect account. Your university will be set up as a "company" with all individuals as "users". You will then be able to add and remove users.

## Access to the Downers Grove Qnect model

The model for the Integrated Design Project (Downers Grove office building) is available through the [AISC Educator Forum](#). Access to the Educator Forum is limited to university instructors who teach steel courses. Educators can request access to the Educator Forum using [this form](#).

On the [AISC Educator Forum](#), navigate to the Publications Corner and the "Unified Design 3ed Integrated Design Project" folder. Download *Downers\_Grove\_Office\_Building\_STUDENT MODEL.zip*. This file can then be made available on your learning management system or a shared folder in your university cloud storage.

Extract zipped files to a folder named "Downers\_Grove\_Office\_Building\_STUDENT MODEL" (the folder name must match the name on the .db1 file to access the model). The first time you open the model in Tekla, navigate to the "All models" tab and click "Browse" to find and select the "Downers\_Grove\_Office\_Building\_STUDENT MODEL" folder.