

The courses I teach involve steel structures and their connections. In this example I am trying to illustrate the power of accessing physical locations from the classroom in order to manage large class sizes and lack of safety equipment to physically get to sites. The links below are different views of what is known as a “teaching aid” that are located across the country to help with student understanding.

All the links are the same structure but viewed from different sizes. This first map location allows me to show the students the various connection types depicted. For example, in this view you can see a typical bolted beam splice, a typical bolted column splice, a welded header connection along with truss and joist connections.

<https://maps.app.goo.gl/q5TFDmDqhnHdX6aJ8>

This next view will allow me to show the students the same connections mentioned above but from the opposing side. From this we can see that the opposing side may have had a welded header connection but this near side is showing a bolted header connection which represents two common connection types found in our industry. This view also shows welded end plate connections, bolted and field welded moment connections and how the column is attached to the concrete pier.

<https://maps.app.goo.gl/14mP9uaFdHBtCXLj9>

The final picture is more of an aerial view that allows to once again show the similar connections but from various angles. In this view we can see steel deck, the seated truss connection as well as a diagonal bracing connection which is represented by the round HSS tube.

<https://maps.app.goo.gl/STDB5oLFAB2tZkwj9>