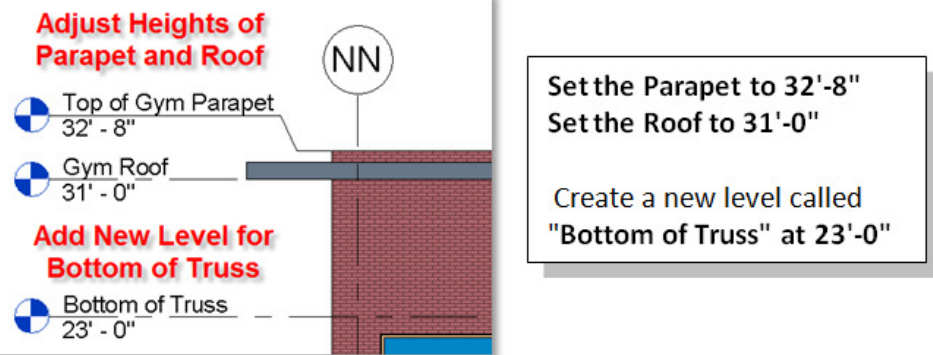


Fall 2011

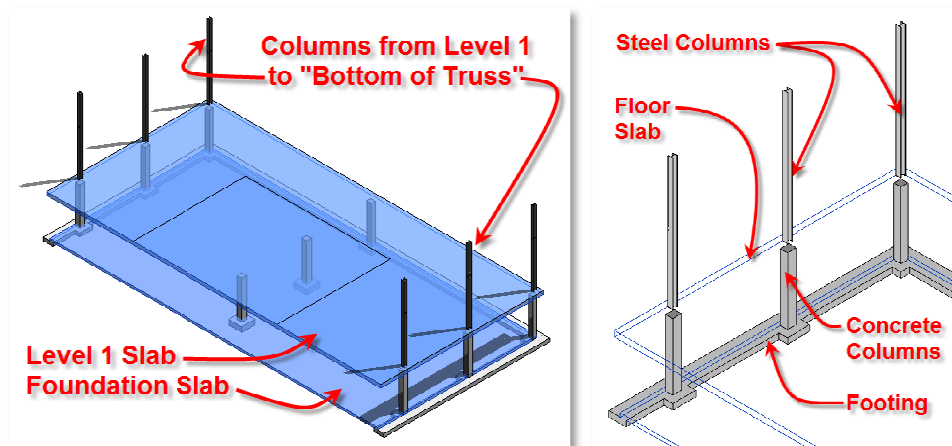
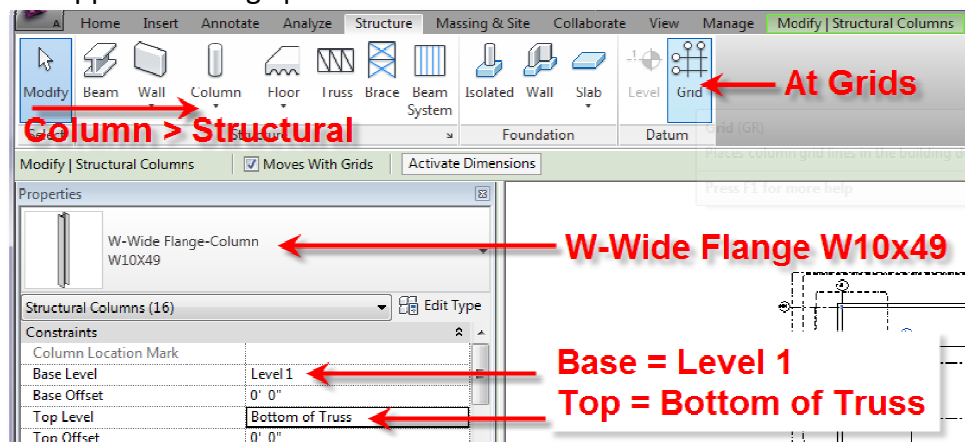
Gym.Truss.1 ADDING STEEL STRUCTURAL COLUMNS AND ROOF TRUSS

Overview: Add structural columns and long span roof trusses to the Gym.

Adjust Levels From the North Elevation make room for the height of the Long Span Truss.



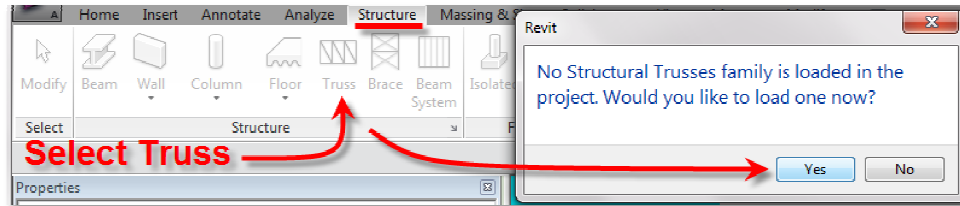
Add Columns Work from **Level 1 (base level)** and set the Top Level to be **"Bottom of Truss"**. Place steel columns along the exterior wall at the intersections of the grids to support the long-span truss we will add next. Select **W10x49** columns.



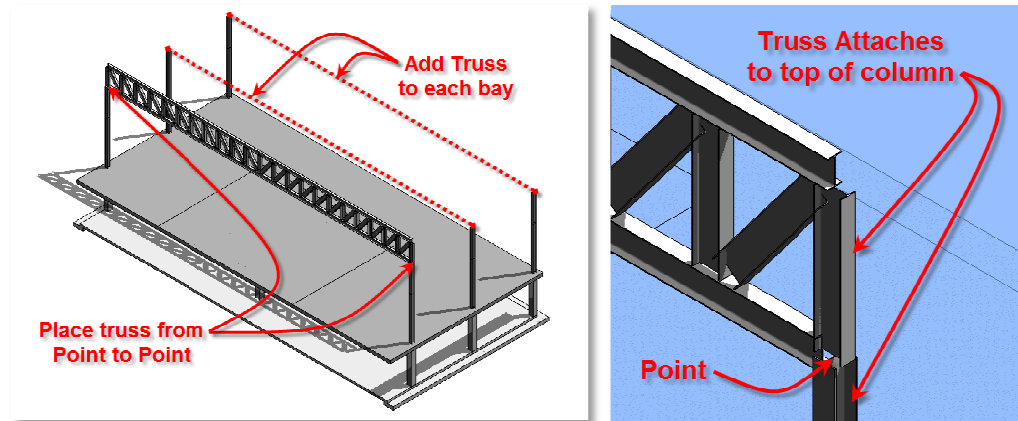
Fall 2011

Add Truss

Select **Structure > Truss > Load Family (Structural > Trusses > Pratt Flat Truss)**

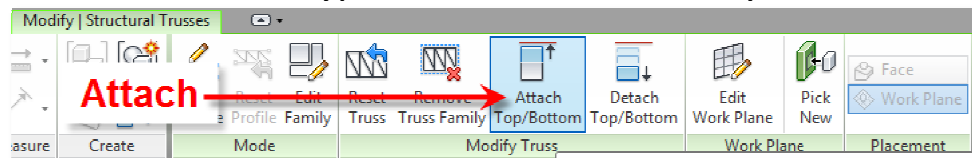


Important: Snap from "point" to "point" at tops of columns when placing trusses

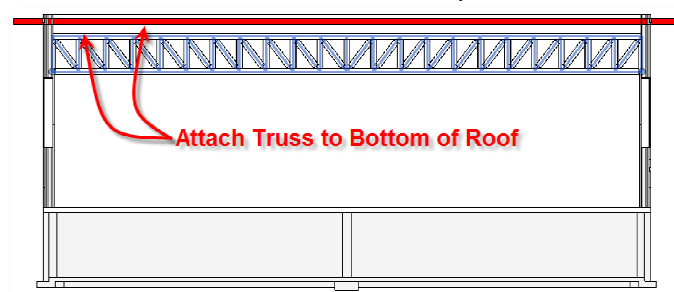


Attach Truss to Roof

Select the Truss. **Modify | Structural Trusses > Attach Top/Bottom**



Select the roof and the truss will update to match the underside of the roof



Truss - Roof Link

The top of the Truss is now associated with the bottom of the roof.

