

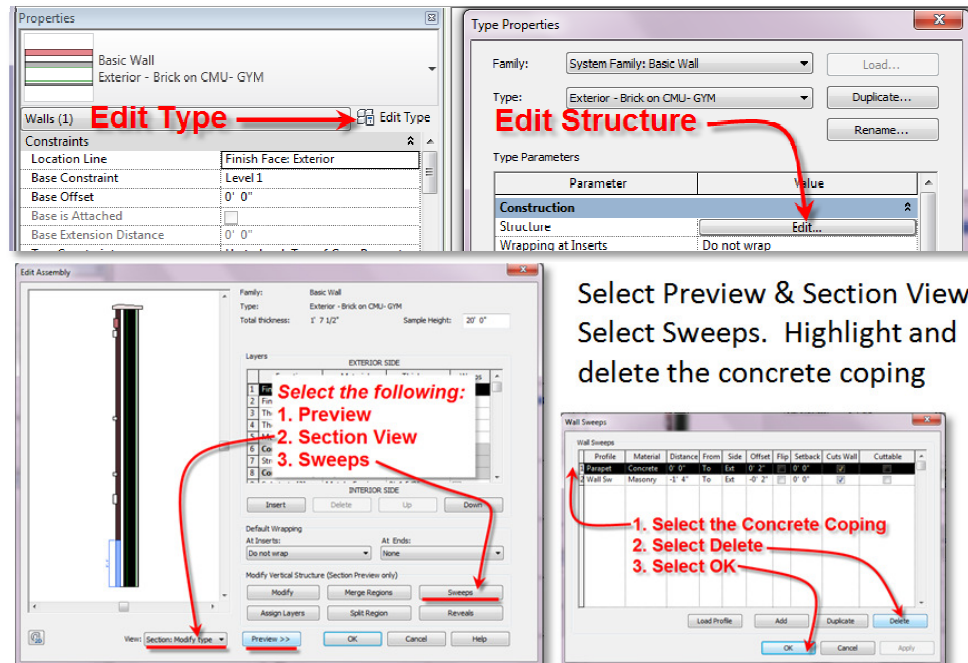
Fall 2011

Gym.Truss.2 UPDATING LINKED ROOF AND ROOF TRUSS

Overview: Working with an existing flat roof and truss update the roof and truss from a flat profile to a peaked profile. In this case the Truss has been attached to the Roof.

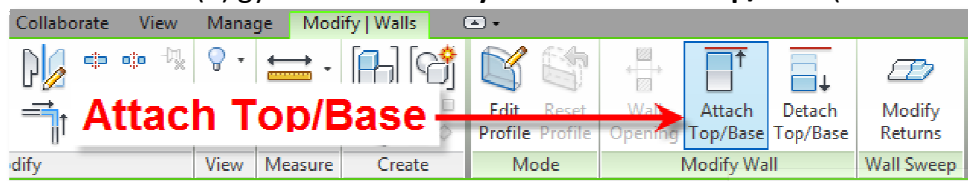
Before we begin we will make several quick changes to the building. We will replace the roof and parapet configuration for a roof that will overhang beyond the face of the building, we will remove the stone coping from the top of the wall and we will attach the top of the wall to underside of the roof.

Modify the Wall: Select the exterior wall and then select "**Edit Type**". Note: If you want to keep a version of the wall with the coping stone then "**Duplicate**" the wall type.

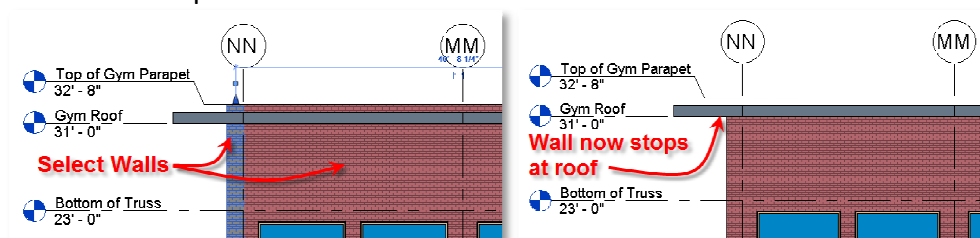


Select Preview & Section View
Select Sweeps. Highlight and delete the concrete coping

Attach Wall to Roof Select all four (4) gym walls > **Modify Walls** > **Attach Top/Base** (attach to roof)

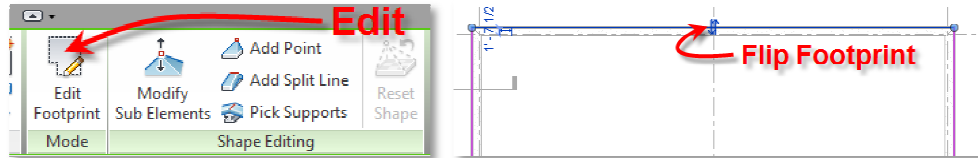


Walls now stop at the underside of the roof

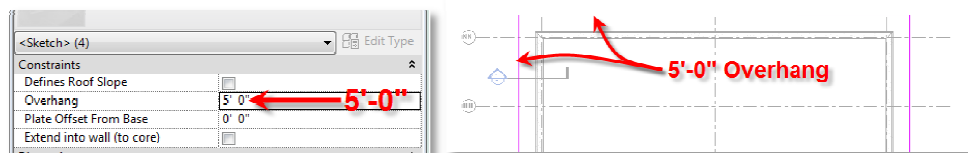


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Edit Roof Footprint: Select the roof and then select "**Edit Footprint**". Select the roof outline and then select the double arrows. Flip the footprint so it aligns with the exterior face.



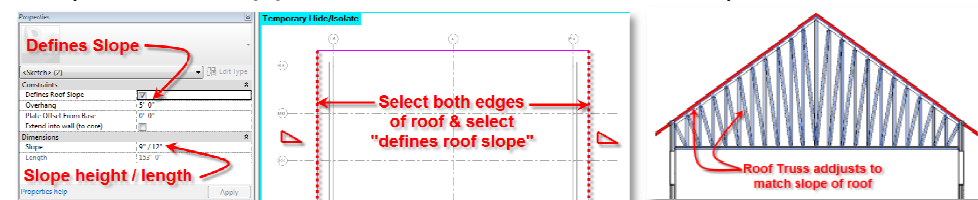
Holding **Ctrl** select all 4 roof sketch lines and change the **overhand to 5'-0"**



Select the **(v)** green check mark to accept the changes to the roof sketch.

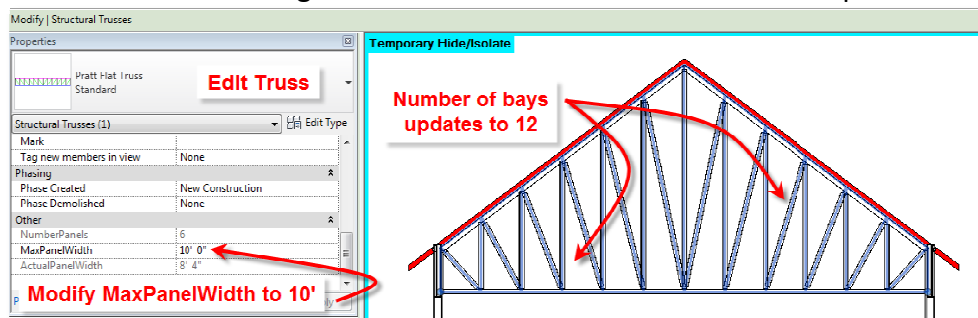
Add Roof Peak

Create a peaked roof by adding slope to both long edges of the rectangular roof. From the "**Gym Roof**" Level select the edge of the Roof and then "**Edit Footprint**". Accept the sketch **(v)** and the roof and truss will both update.



Modify the Truss

Select the Truss. Change the **MaxPanelWidth** from 5' to 10' to update the Truss.



Modify Roof Slope

Select the Roof. Change the slope from 9/12 to 3/12. The roof and truss update.

