Gym.Roof.Fprint ROOF OPTIONS - ROOF BY FOOTPRINT - FLAT AND SLOPED
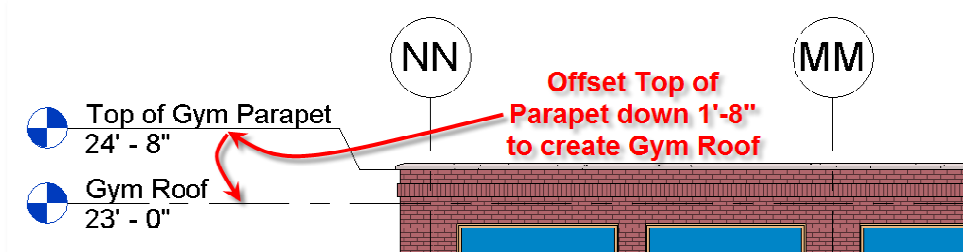
Overview: Add a flat or sloped roof by footprint

Levels: Create a new level for the Multi-Use Roof. Set the height to 23'-0"
Home > Levels > Pick Lines (set offset to 1'-8")
Rename the Level to "Gym Roof" & adjust graphics so Top of Parapet is offset
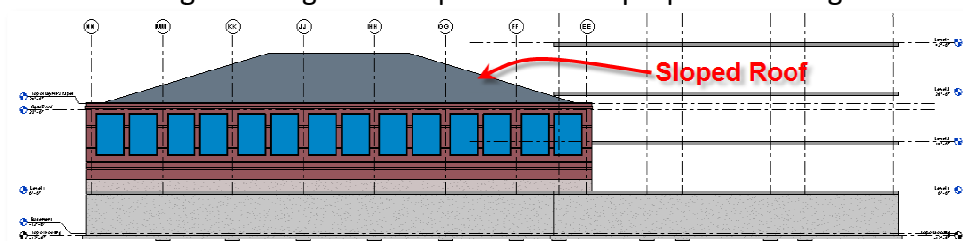

Create Flat Roof: Working from a 3d View create the new roof (select inner faces of walls)
Home > Roof> Roof by Footprint Set the new roof on **Gym Roof** Level
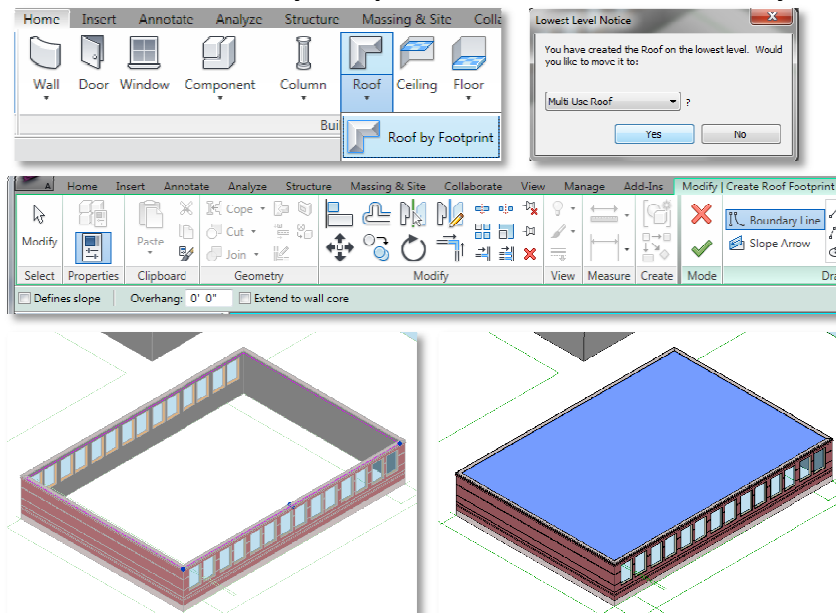
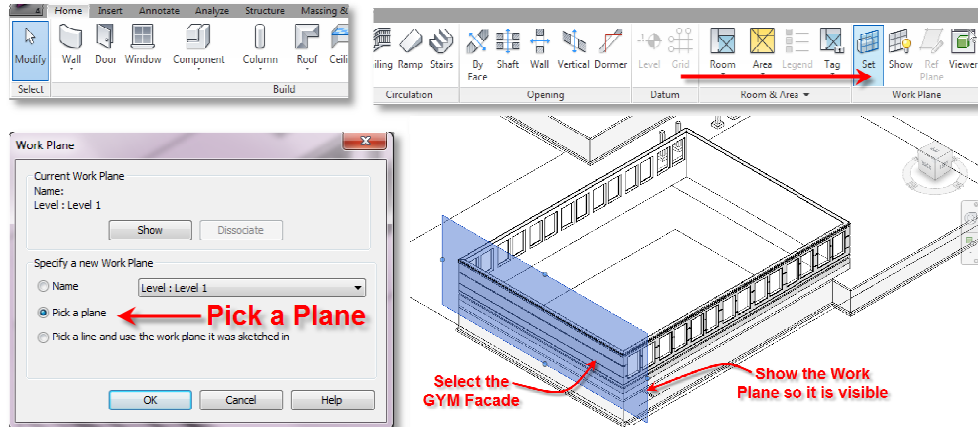**Create Sloped Roof:** To create a sloped roof check off "Defines Slope"
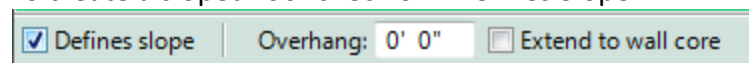
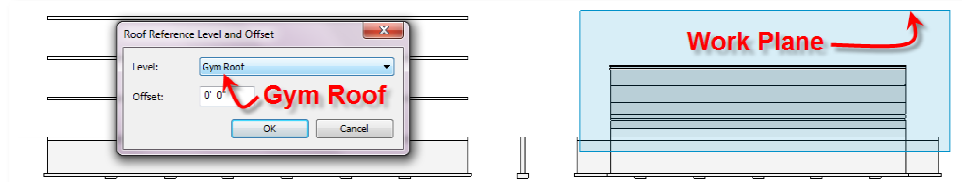You can change the degree of slope in the roof properties dialogue box

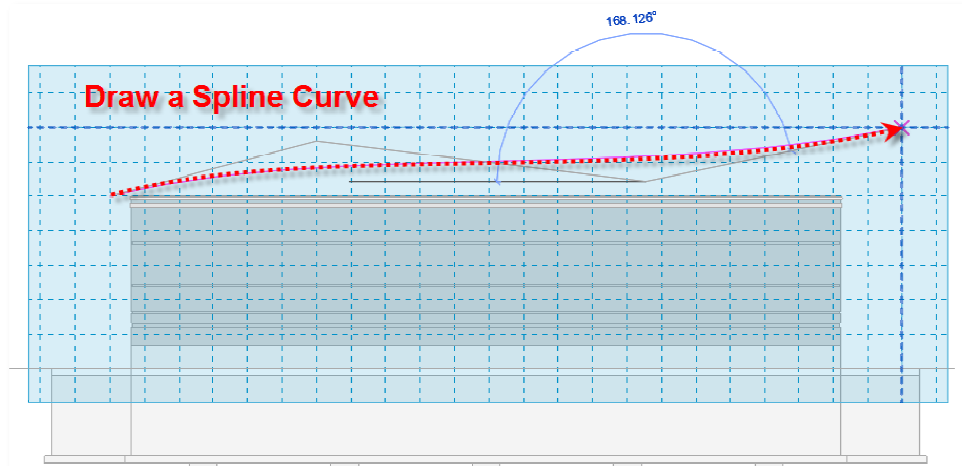## Gym.Roof.Extrus   ROOF OPTIONS - ROOF BY EXTRUSION

Overview: Create a roof by extruding a profile

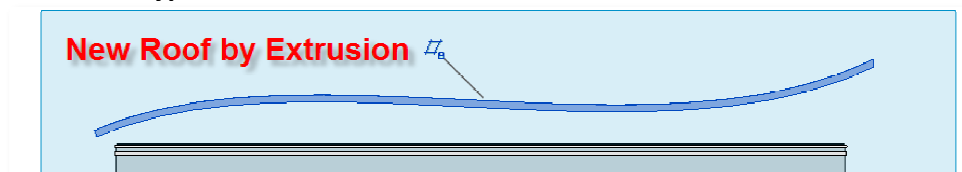**Work Plane:** **Home > Work Plane > Set**   choose the **EAST** facade of the GYM

View Cube: **Right Click on the View Cube > Orient to a Plane (select the East Facade)**

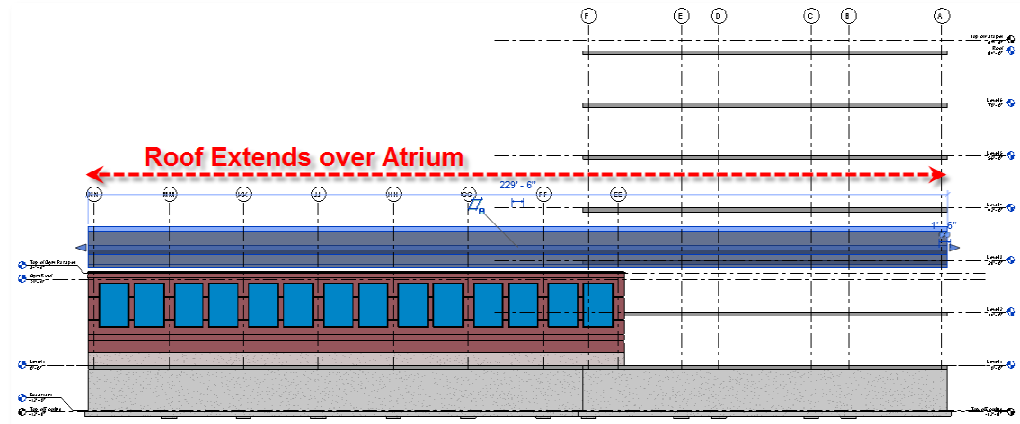**Sketch:** **Sketch a curve for the profile of your roof** then accept (check) the sketch.

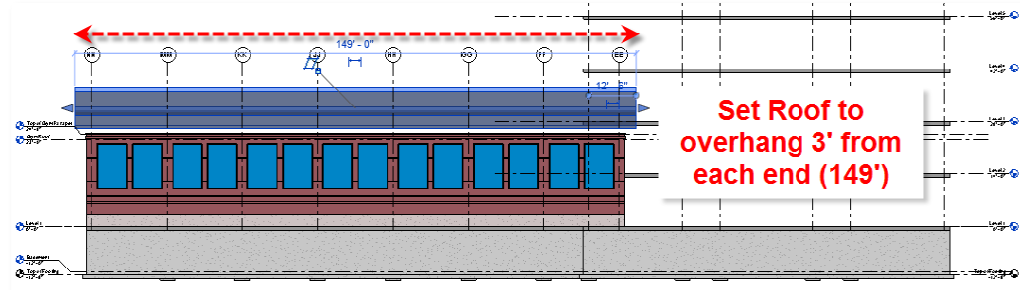
**Roof Type:** **The Roof Type will determine the roof thickness**

West Elevation: **A View from the west will show the roof is too long**

Roof Extends over Atrium

Length & Overhang: **Adjust the dimensions of the roof to overhang 3' each side. Total Length = 149'**
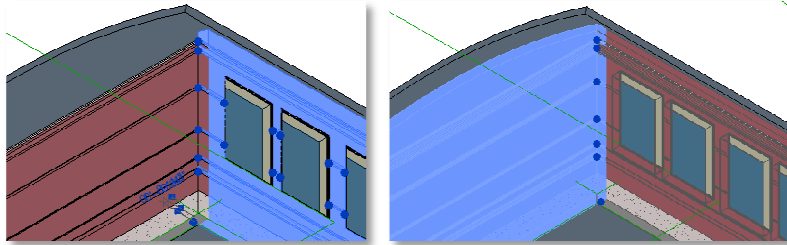

Set Roof to overhang 3' from each end (149')

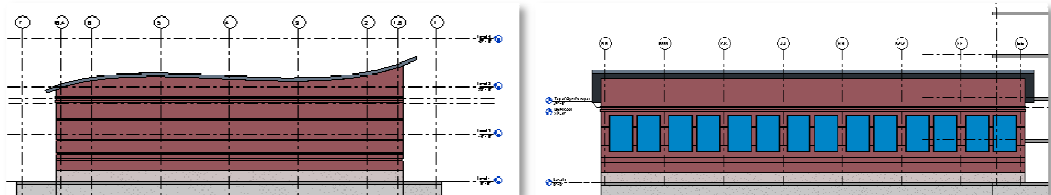**Attach Walls:** **Select the wall** then select **Attach Top/Base**. Next select the roof to connect.
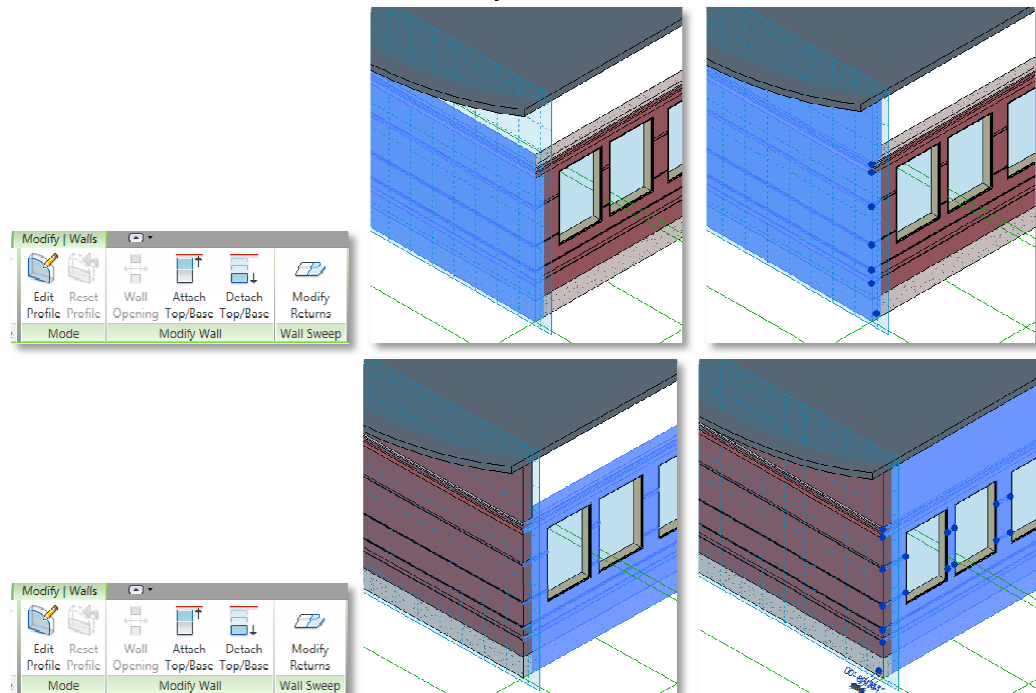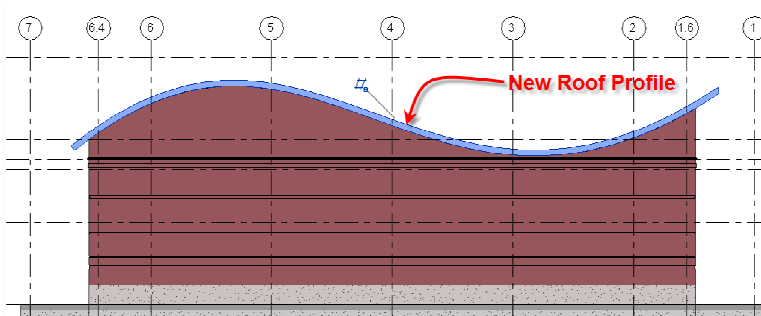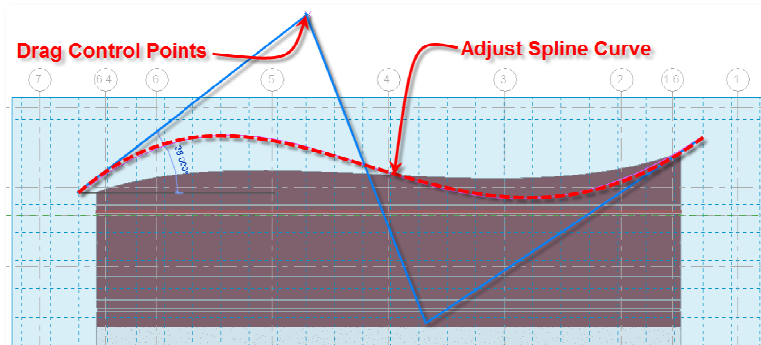
Repeat Attach: Repeat the Attach command until you have connected all 4 walls to the roof

Elevation Views: View showing the completed roof attached to the masonry walls

Edit Roof Profile: Select the roof and then select **Edit Profile** to reshape the roof

Profile Update: Exit the sketch and the roof profile and walls will update