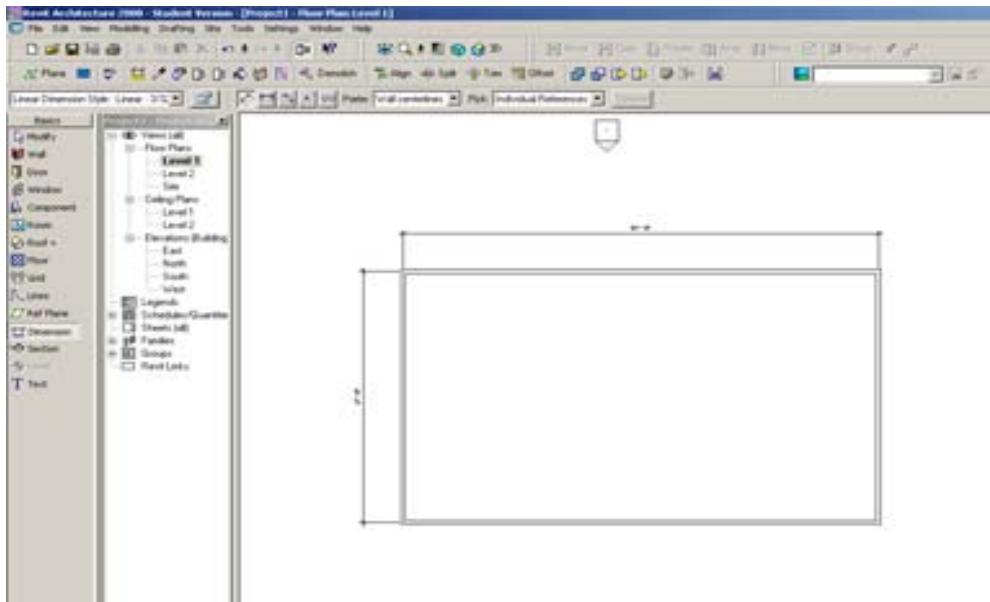


How to calculate total wall costs in Revit

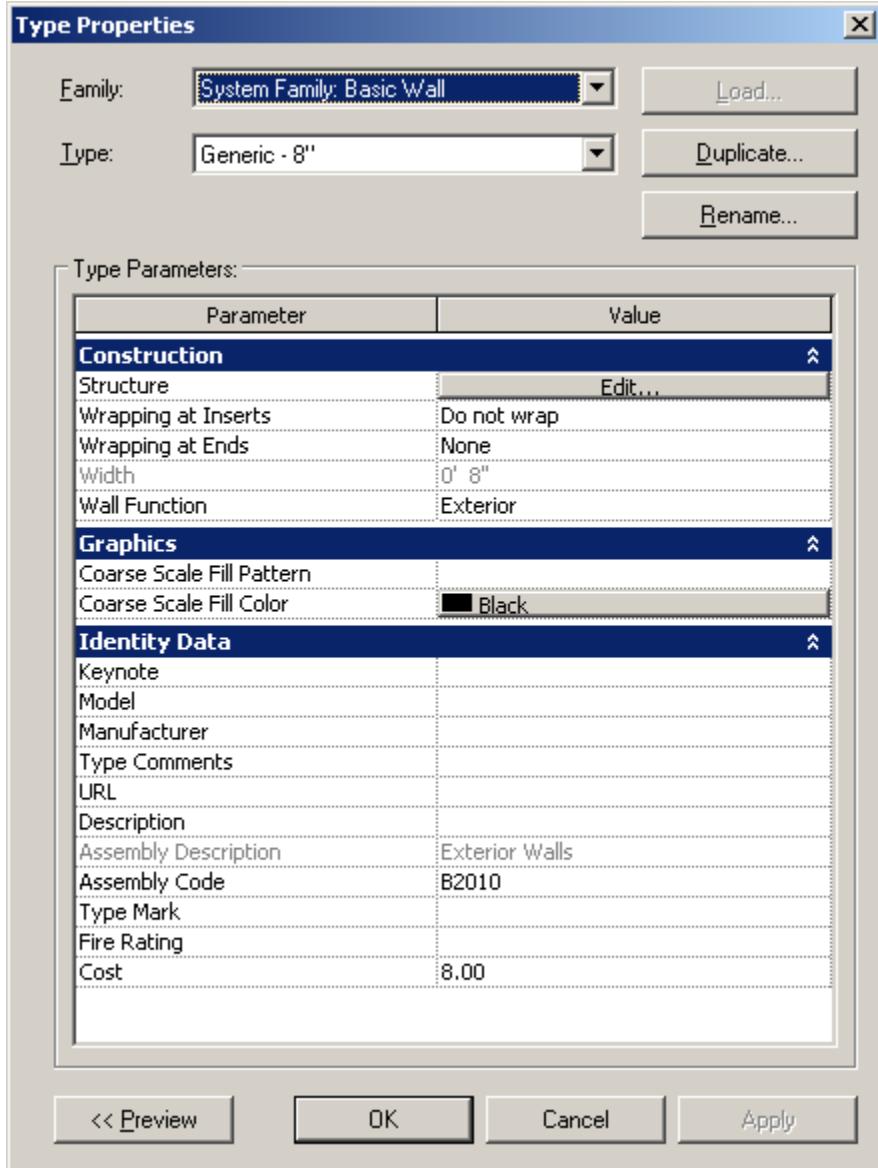
Frank Heitzman

December 16, 2007

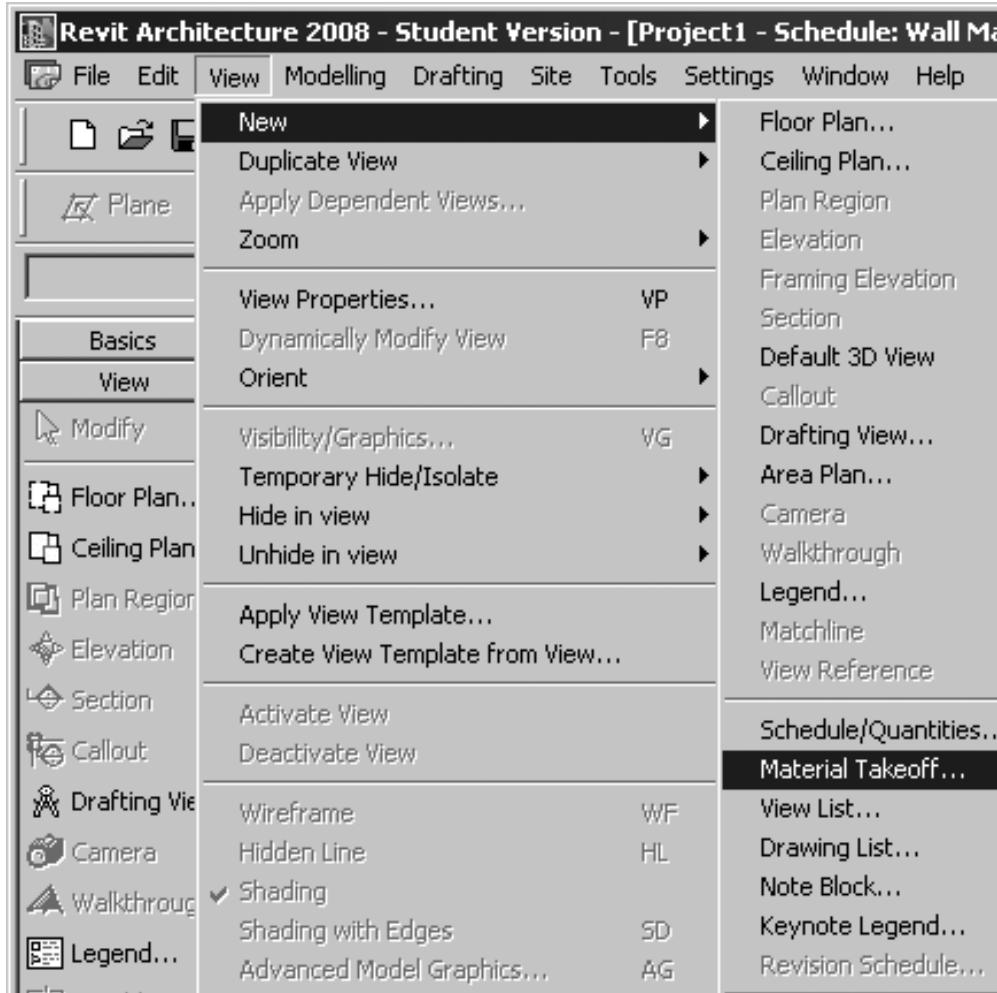
Here is a simple project with four walls using the Basic Wall - Generic – 8 wall type.



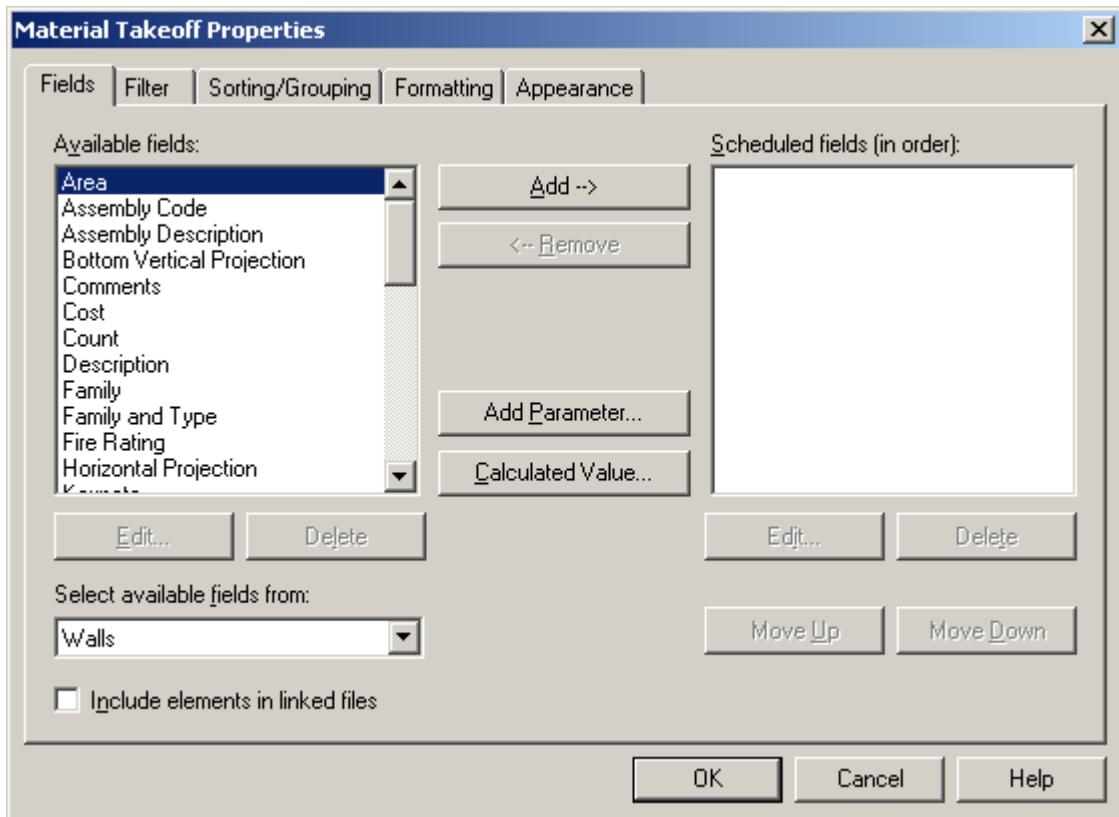
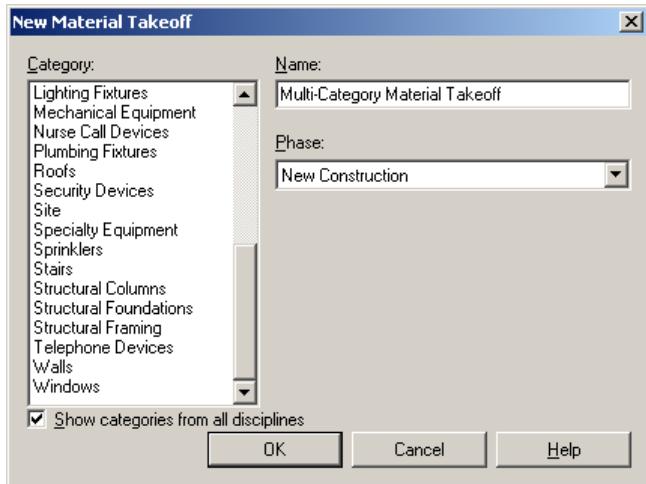
I went into the properties of the wall and edited it to add a cost value of \$8.00 per square foot as shown below:



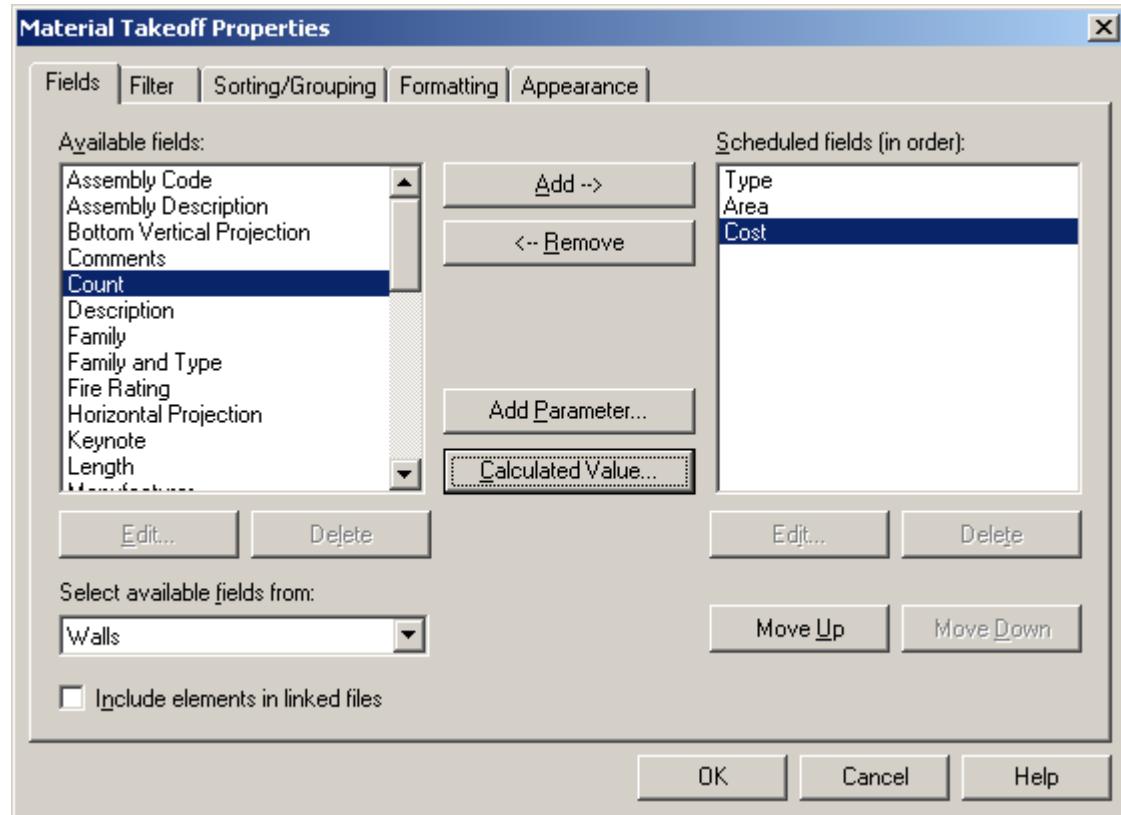
Then, from the View pulldown menu, I selected "New" "Material Takeoff..." as shown below:



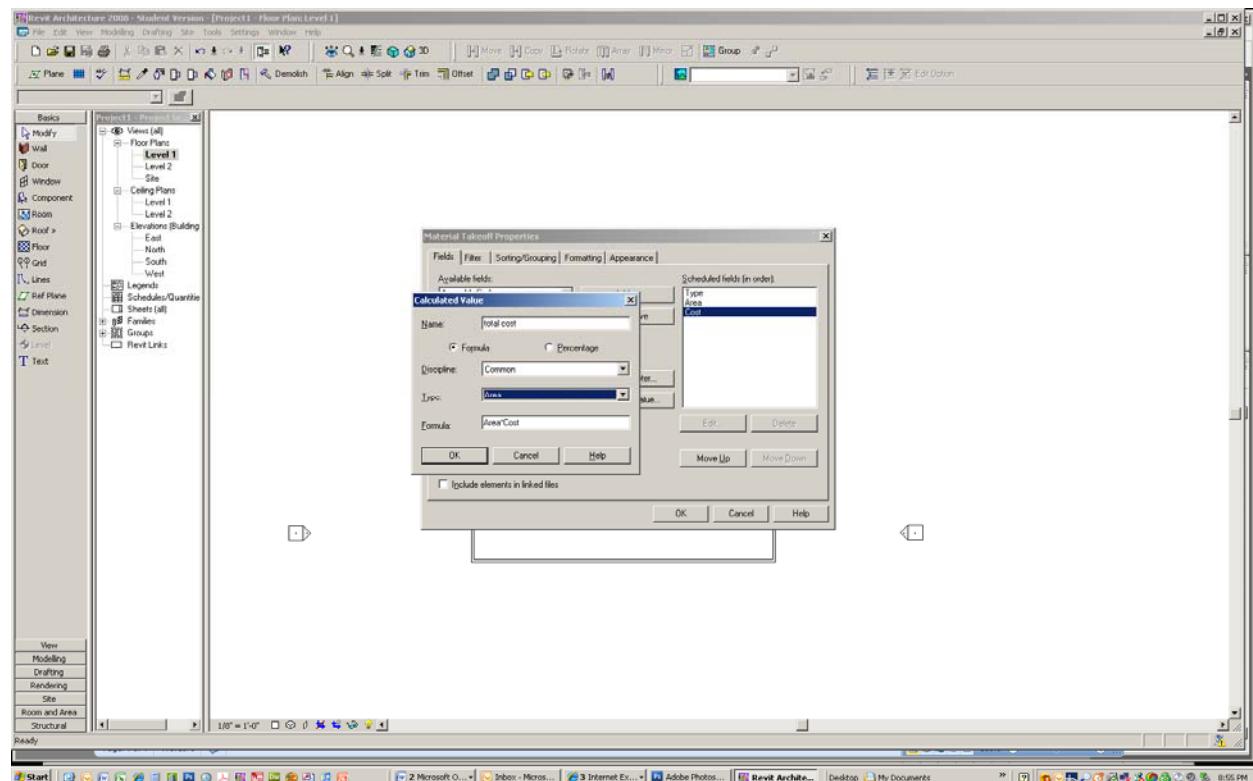
I selected the Walls Category



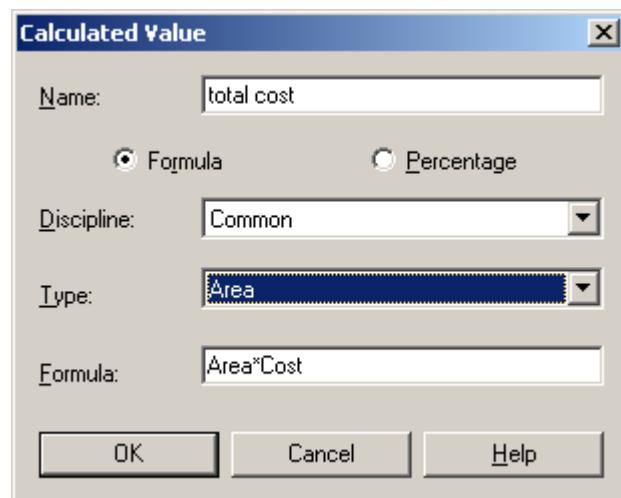
I selected "Type," "Area," and "Cost" parameters from the list to go into the Material Takeoff schedule



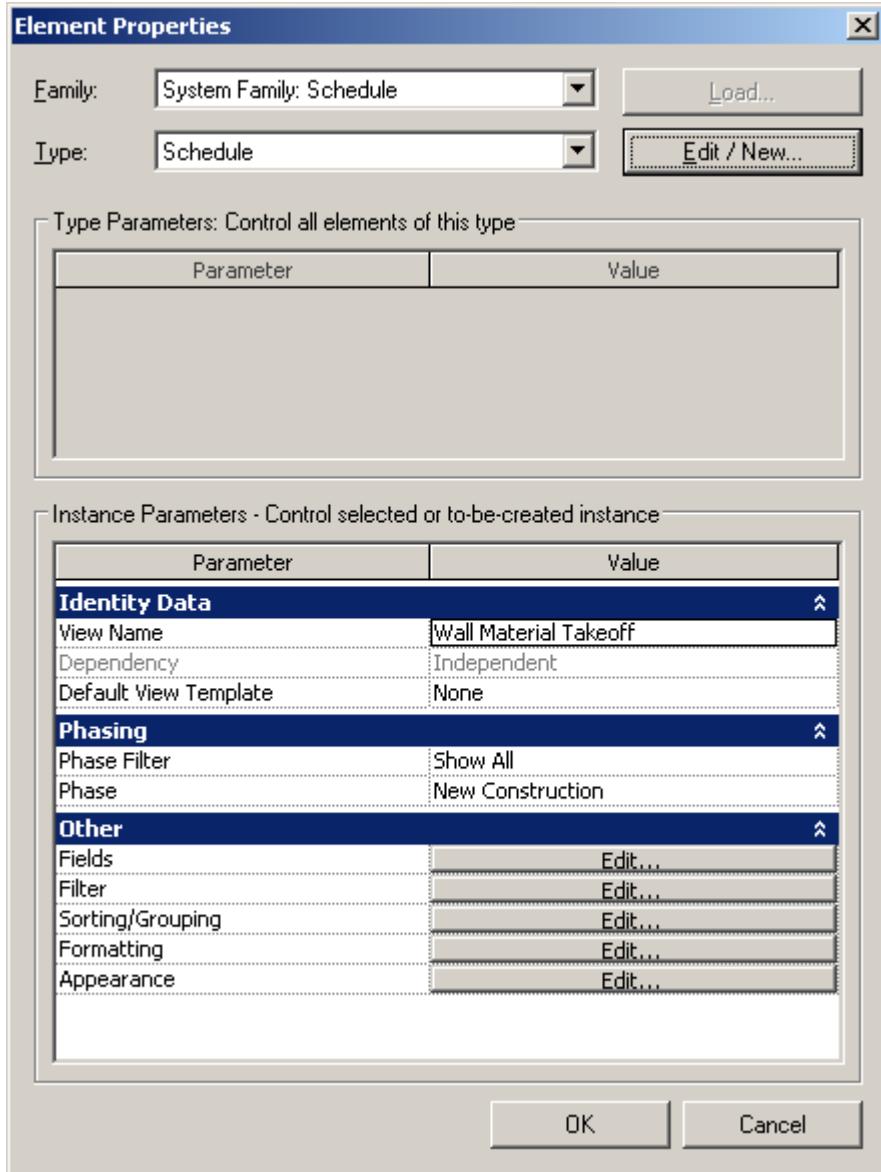
Then I created a new “Calculated value” and named it “total cost” as shown below



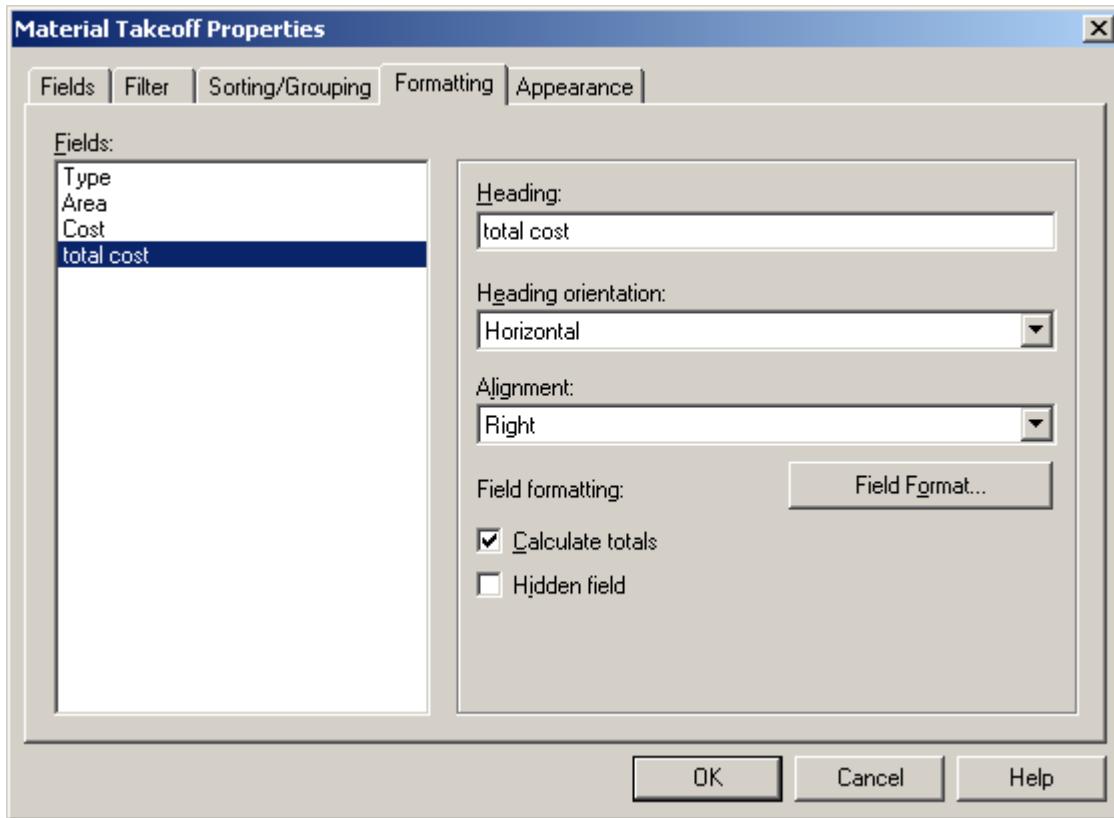
Set up the choices as shown below:



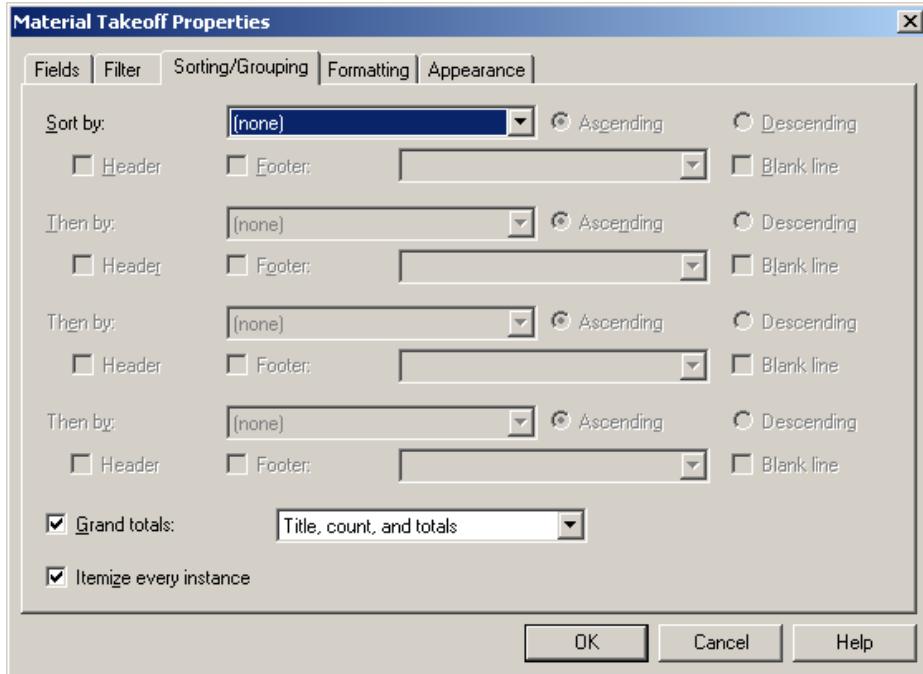
Now Right Click and select “View Properties”



Under the “total cost” field in the “Formatting” tab, select “Calculate totals” and change Alignment to “Right”



Check “Grand Totals” under Sorting/Grouping



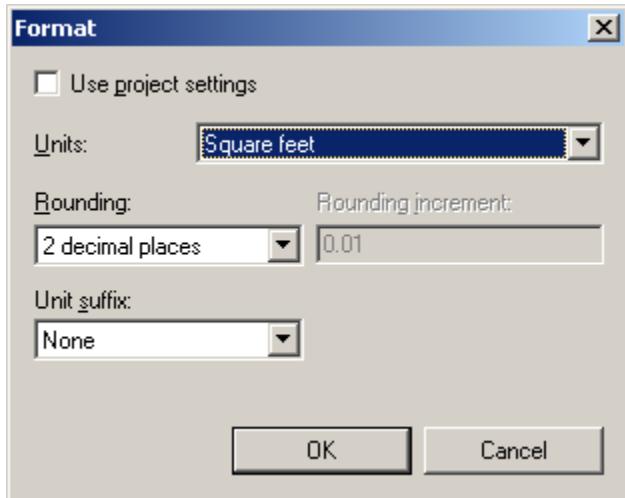
Then select the “Field Format” box.

Clear “Use Project settings”

Units are “Square Feet”

Rounding to 2 decimal places

Unit suffix: “None”



This is how the calculated value Wall Material Takeoff will look: It will not have a \$ sign in the total cost column

The screenshot shows the Revit Architecture 2008 interface with the title bar "Revit Architecture 2008 - Student Version - [Project1 - Schedule: Wall Material Takeoff]". The menu bar includes File, Edit, View, Modelling, Drafting, Site, Tools, Settings, Window, and Help. The toolbar below has icons for various tools like Select, Move, Copy, Paste, and Trim. The left sidebar under "Basics" lists icons for Modify, Wall, Door, Window, Component, Room, Roof, Floor, Grid, and other project components. The central navigation pane shows a tree view of "Project1 - Project br..." with categories like Views (all), Floor Plans, Ceiling Plans, and Elevation. The main content area displays a table titled "Wall Material Takeoff" with columns Type, Area, Cost, and total cost. The data in the table is as follows:

Type	Area	Cost	total cost
Generic -	1630 SF	8.00	13040.00
Generic -	950 SF	8.00	7600.00
Generic -	1617 SF	8.00	12933.33
Generic -	963 SF	8.00	7706.67

End of How to calculate total wall costs in Revit