

REVIT Tutorial-5

[http://users.etsown.edu/w/wunderjt/Architecture Lectures/REVIT 5 Tutorial.pdf](http://users.etsown.edu/w/wunderjt/Architecture%20Lectures/REVIT%205%20Tutorial.pdf)
JT Wunderlich PhD

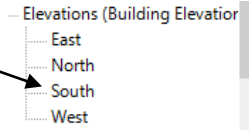
Name(s) and signature(s) confirming completion of tutorial: _____

In E273 Studio, use College REVIT licenses; At home, use free 3-year student license: <http://www.autodesk.com/education/free-software/revit>

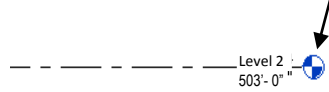
INTERIOR WALLS AND COLUMNS for High Library Main Floor (“Level 2”)

- Open **Revit** (not “Revit Viewer”) in **Autodesk** Folder (in “**All Apps**” for Windows10)
- Open your “**High Library Entire Building**” Revit file that you saved in [Revit Tutorial 4](#)

Click “**South**” Elevation in **Project Browser** window



Click on the Level 2 symbol



Watch video on “*How to build a metal stud wall*” (i.e., interior walls):

<https://www.youtube.com/watch?v=ABGd6B0v9go>

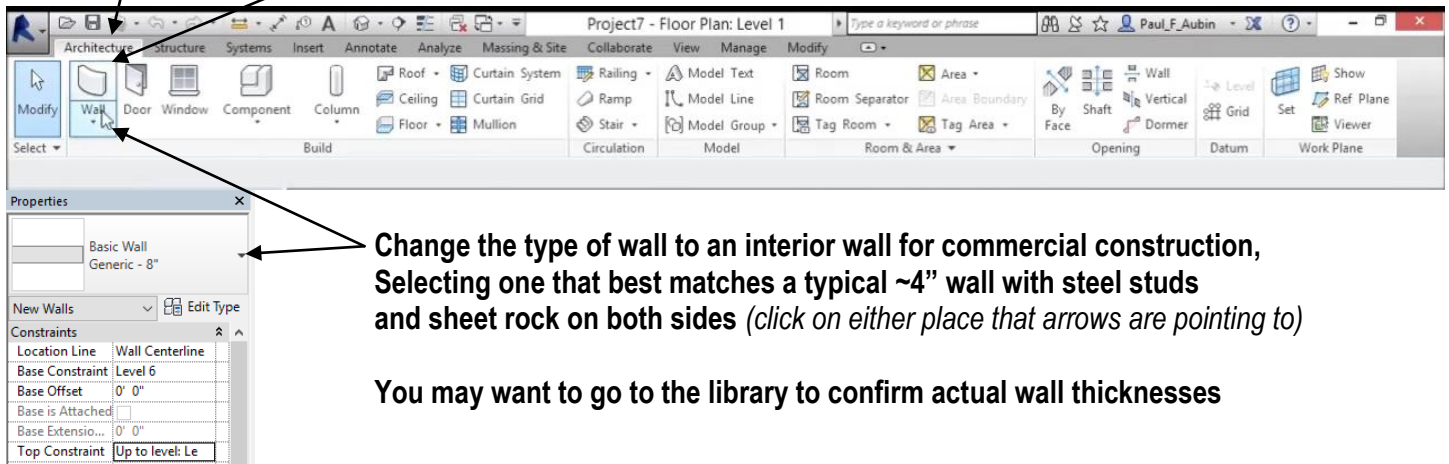
NOTE: although this video is all in metric, this is a great professional lesson; Also, switching between metric and imperial units, and understanding building terms outside of the U.S., is a good lesson

Here’s a few random images of interior commercial construction using metal stud walls and drywall (“sheetrock” “wallboard”):



Images from <https://edwbuilders.com/coty-2013-national-award-commercial-interior/>

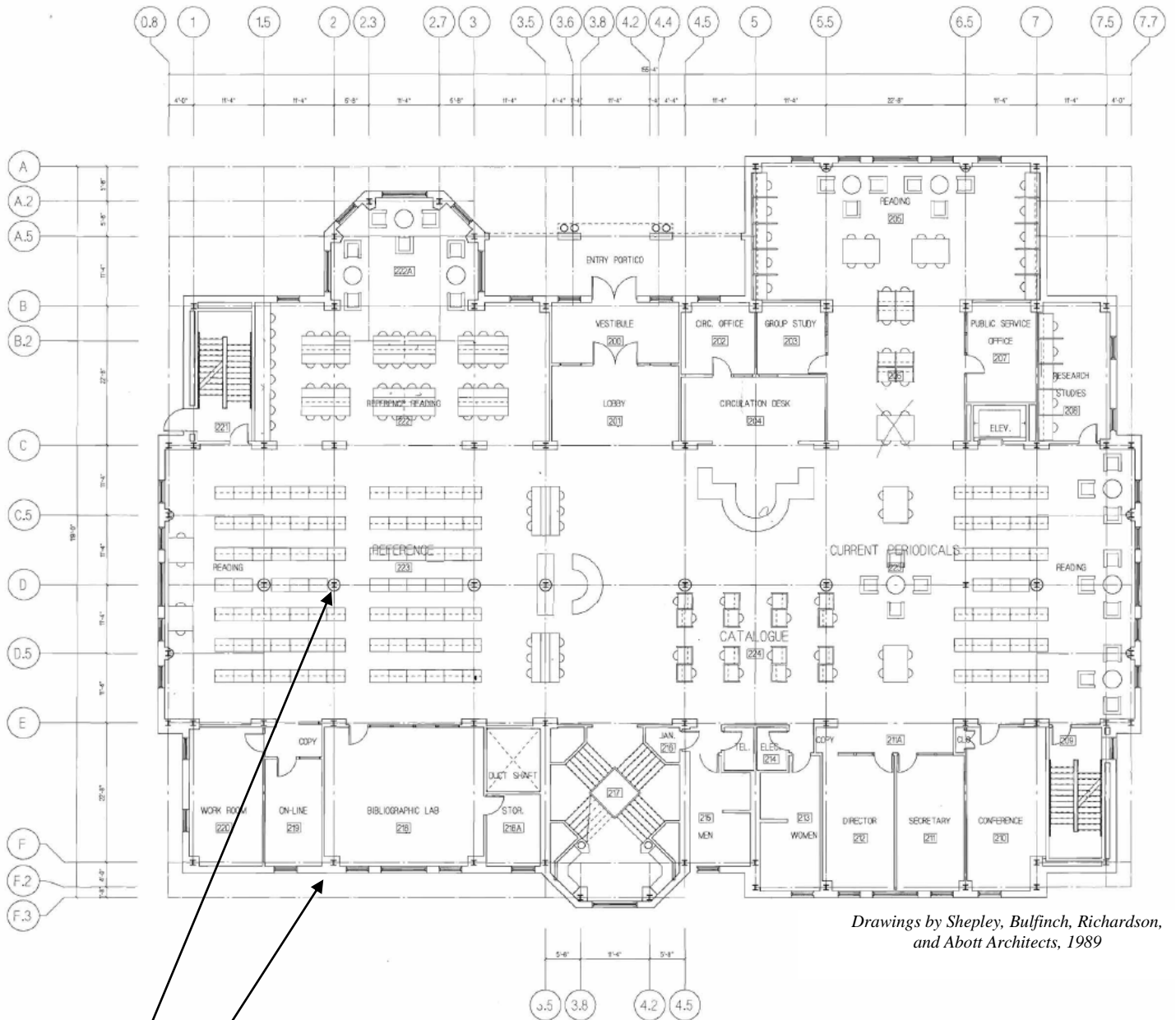
Click on “**Architecture**” then “**Wall**” on Ribbon to create walls



Change the type of wall to an interior wall for commercial construction, Selecting one that best matches a typical ~4” wall with steel studs and sheet rock on both sides (click on either place that arrows are pointing to)

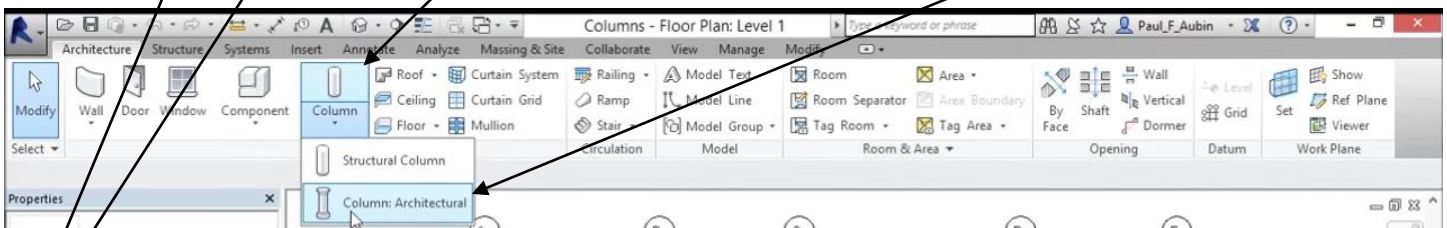
You may want to go to the library to confirm actual wall thicknesses

Use mouse to **draw all Elizabethtown College High Library Interior Walls for the main floor “Level 2” with no windows or doors yet** -- referring to file “1989 High Library DRAWINGS CDs - Arch Set.pdf” in Dr W’s Public Folder for COURSES, or on his website at: <http://users.etown.edu/w/wunderjt/Architecture Lectures/1989 High Library DRAWINGS CDs - Arch Set.pdf> for more readable drawings.



Drawings by Shepley, Bulfinch, Richardson, and Abbott Architects, 1989

Click on “**Architecture**” then “**Column**” on Ribbon, and select “**Column Architectural**”



Watch **JUST THE FIRST TWO MINUTES** of this 2017 video on Columns (but use Imperial Units for your project):
https://www.youtube.com/watch?v=_WfXrWkBdRM&index=11&list=PLzAQZFR7SsdgX_v1enijlesCkMeMo8CON#t=158.703562

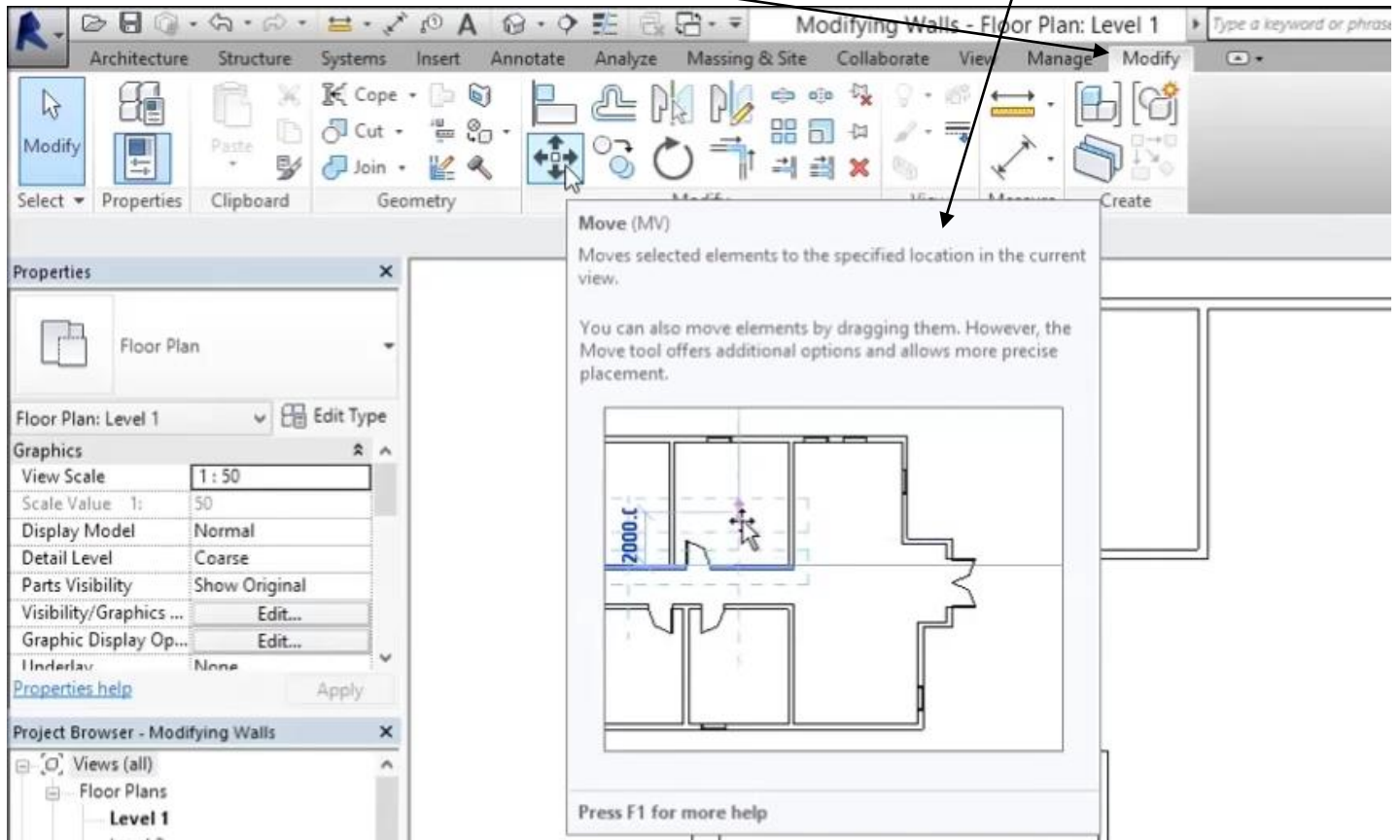
Pick square column dimensions in the Properties Window that are closest to what you think (or measure) as the actual column dimensions in the Library, and place one at every location on Level 2 as seen on the Architectural Drawings (in a square like actually constructed – i.e., not in circular enclosure as shown in some places)

- Type “**W**” “**T**” for **Window Tiles** (i.e., a mosaic of your windows)
- Open a Word file
- **ALT+PrintScreen**, then **CTRL-V** to paste it into a word file
- **PRINT IT TO BE HANDED IN** and Put your name(s) on it
- **Save Revit project file** where you know you can retrieve it (with same name as Tutorial 4: “**High Library Entire Building**”)
- Go to [Tutorial-6](#)

For advanced understanding on **Walls**, watch this 2017 Revit video:

https://www.youtube.com/watch?v=_KW9-OyAkHw&index=15&list=PLzAQZFR7SsdgX_v1enjjesCkMeMo8CON#t=356.728997

This video also has details on “**Modifying**” all Revit Elements, and is especially useful in the tutorial **animations** that run about each tool tip if you leave the cursor on one for a moment



For even more advanced understanding on **Walls**, including **specifying materials** within each, watch this 2017 Revit video:

https://www.youtube.com/watch?v=6hnyhmKmAyo&index=15&list=PLzAQZFR7SsdgX_v1enjjesCkMeMo8CON#t=3.887104

