

REVIT Tutorial-3

[http://users.eto.wn.edu/~wunderjt/Architecture Lectures/REVIT 3 Tutorial.pdf](http://users.eto.wn.edu/~wunderjt/Architecture%20Lectures/REVIT%203%20Tutorial.pdf)
 JT Wunderlich PhD

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

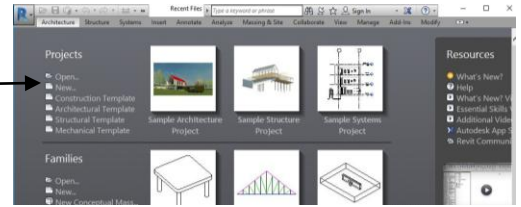
In E273 Studio, use College REVIT licenses; At home, use free 3-year student license: <http://www.autodesk.com/education/free-software/revit>

WALLS

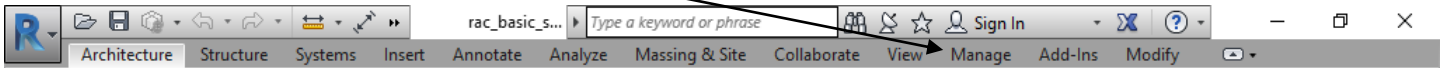
Using 2017 Revit Architectural software, do everything below:

(Adapted from 2013: <https://www.youtube.com/watch?v=WQxZ0ZTXkiQ>)

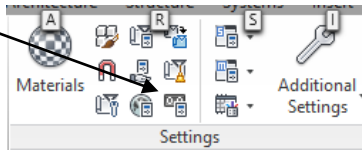
- Open **Revit** (not "Revit Viewer") in **Autodesk** Folder (in "**All Apps**" for Windows10)
- Click "**New**" under "**Projects**" on Start Screen
 - Select "**Architecture template**" if asked
 - Select "**Imperial units**" if asked



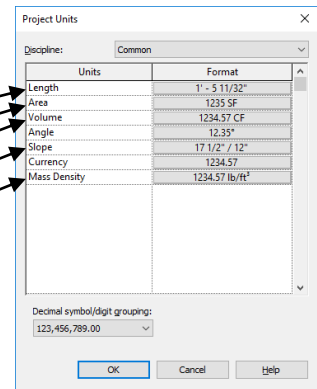
- Click "**Manage**" Tab on Ribbon



- Click "**Project Units**"



- Verify that you have **Units** desired:
 - "**Feet and fractional inches**" for Length
 - "**Square feet**" for Area
 - "**Cubic feet**" for Volume
 - "**Rise / 12**" for Slope
 - "**Pounds per cubic foot**" for Mass Density

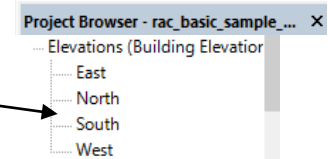
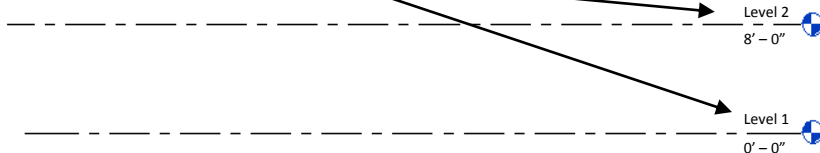


Watch this 2017 video on **Levels**:

https://www.youtube.com/watch?v=N52QSVu5dDA&list=PLzAQZFR7SsdgX_v1enjjlesCkMeMo8CON&index=6#t=629.258139

Click "**South**" Elevation in **Project Browser** window

You'll see two default Levels



Click "**Architecture**" then "**Level**" on **Ribbon** to **create two new levels** (click and drag pointer across screen)

Rename "**Levels**" to:

(click on them to change name)

- "**Attic**"
- "**Second Floor**"
- "**First Floor**"
- "**Basement**"

And respond "Yes" when asked if you would like to change corresponding views

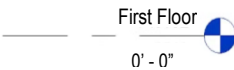
Change **Floor Level** values to:

(click them to change values)

- Attic = **18'- 0"**
- Second Floor = **9'- 0"**
- First Floor = **0'- 0"**
- Basement = **- 8'- 0"** (**negative** eight feet because it's below ground level)

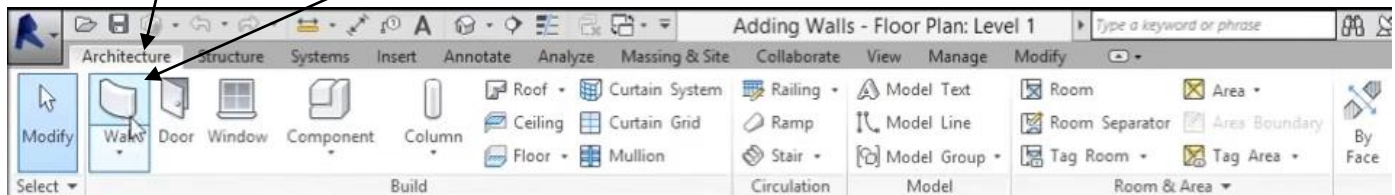
Watch this 2017 video on Creating Walls:

https://www.youtube.com/watch?v=3fvfLzOiToY&index=8&list=PLzAQZFR7SsdgX_v1enjilesCkMeMo8CON#t=457.821854

Click on **First Floor Level Indicator** → 

(or click "**First Floor**" which will now be listed under "**Floor Plans**" in **Project Browser** window)

Click on "**Architecture**" then "**Wall**" on **Ribbon** to create walls



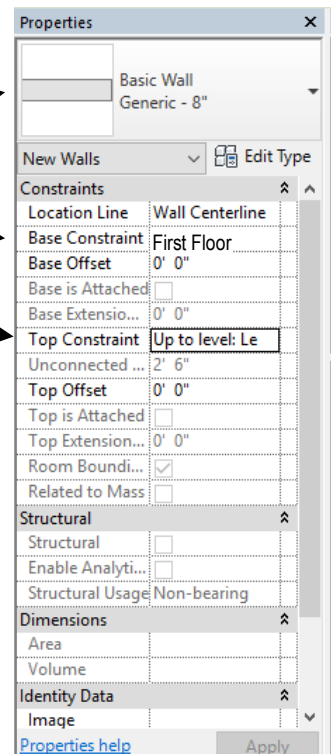
For now, just uses default "**Basic Wall – 8**" shown in **Properties Window**

In **Properties Window**, click on "**Base Constraint**"

and select "**First Floor**"

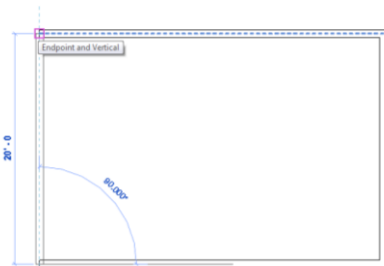
In **Properties Window**, click on "**Top Constraint**"

and select "**up to Attic Level**"



Use mouse to draw a **30' - 0" wall**

(you'll see dimension as you drag mouse)



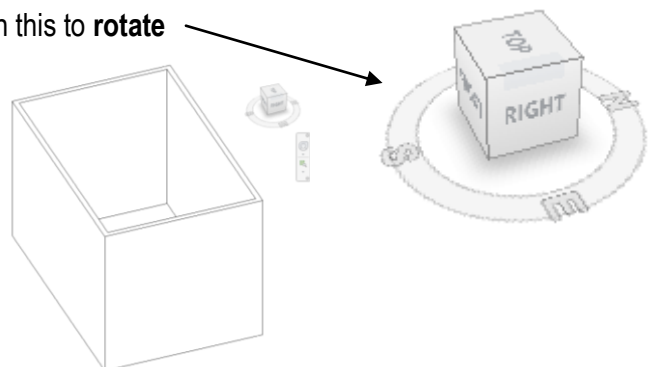
Use mouse to draw a **30'-0" x 20'-0" Floor Plan**

(you'll see the dimensions as you drag mouse)

Use "**ESC**" to stop drawing connected walls, and "**ESC**" again to completely stop drawing walls

Use "**Ctrl**" + **click** to select multiple walls (if for example you want to change the properties on only two walls)

Click "**View**" on top of **ribbon**, then click "**3D Views**" -- then play with this to **rotate**



- Type "**W**" "**T**" for **Window Tiles** (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** (Put your name on it)
- **Save** your Revit project file where you know you can retrieve it; Call it "**Basic House**"
- Go to [Tutorial-4](#)