

Setting up a Commercial Revit file for Partridge Creek

1. Open up Revit and under Projects, click on New. Browse so you can find the **Commercial Default.rte** file. You can find this in the Y: Dossin Revit Work Files, Library, Template, US Imperial
2. Immediately perform a SAVE AS and save it to your student ARCHITECTURE folder. Rename it PARTRIDGE CREEK- YOUR FIRST NAME LAST NAME
3. Create the exterior wall type as shown to you in the hand out. You may be able to see the detail better in the CAD file located on the dossin.weebly.com website. It would be recommended to *Duplicate* and then *Edit Type* the *Exterior Brick on CMU* wall in order to do this. Rename your new wall *Exterior Brick on CMU-Partridge Creek*, so you can easily find it.

4.

Edit Assembly

Family: Basic Wall
 Type: Exterior - Brick on CMU Partridge Creek
 Total thickness: 1' 7 7/8" Sample Height: 20' 0"
 Resistance (R): 18.1305 (h·ft²·°F)/BTU
 Thermal Mass: 32.4421 BTU/°F

Layers

EXTERIOR SIDE					
	Function	Material	Thickness	Wraps	Structural Material
1	Finish 1 [4]	Brick, Common	0' 4"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Thermal/Air Layer [3]	Air	0' 2"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Thermal/Air Layer [3]	Rigid insulation	0' 1"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Membrane Layer	Damp-proofing	0' 0"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Core Boundary	Layers Above Wrap	0' 0"		
6	Structure [1]	Concrete Masonry Units	0' 11 5/8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Core Boundary	Layers Below Wrap	0' 0"		
8	Substrate [2]	Metal Furring	0' 0 3/4"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Finish 2 [5]	Gypsum Wall Board	0' 0 1/2"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

INTERIOR SIDE

Insert Delete Up Down

5. Create a Concrete Block wall for the interior portions between two commercial spaces.

Edit Assembly

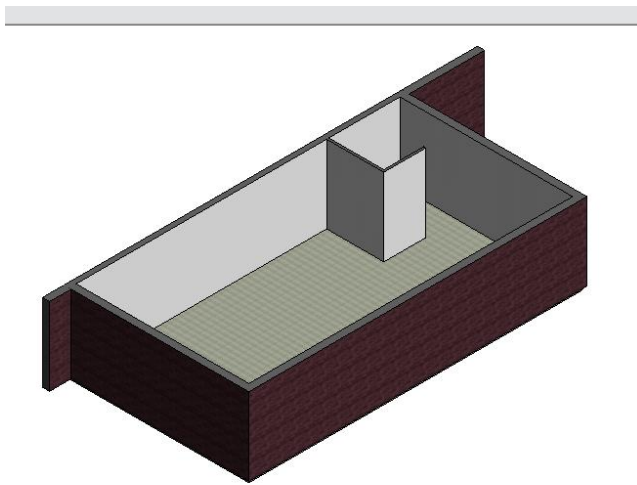
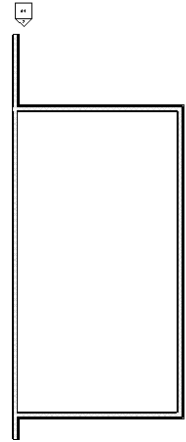
Family: Basic Wall
 Type: 12" Masonry with Drywall Both Sides- Partridge Creek
 Total thickness: 1' 2 1/8" Sample Height: 18' 0"
 Resistance (R): 1.5164 (h·ft²·°F)/BTU
 Thermal Mass: 30.0114 BTU/°F

Layers

EXTERIOR SIDE					
	Function	Material	Thickness	Wraps	Structural Material
1	Core Boundary	Layers Above Wrap	0' 0"		
2	Structure [1]	Gypsum Wall Board	0' 0 1/2"	<input type="checkbox"/>	<input type="checkbox"/>
3	Structure [1]	Metal Furring	0' 0 3/4"	<input type="checkbox"/>	<input type="checkbox"/>
4	Structure [1]	Concrete Masonry Units	0' 11 5/8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	Structure [1]	Metal Furring	0' 0 3/4"	<input type="checkbox"/>	<input type="checkbox"/>
6	Structure [1]	Gypsum Wall Board	0' 0 1/2"	<input type="checkbox"/>	<input type="checkbox"/>
7	Core Boundary	Layers Below Wrap	0' 0"		

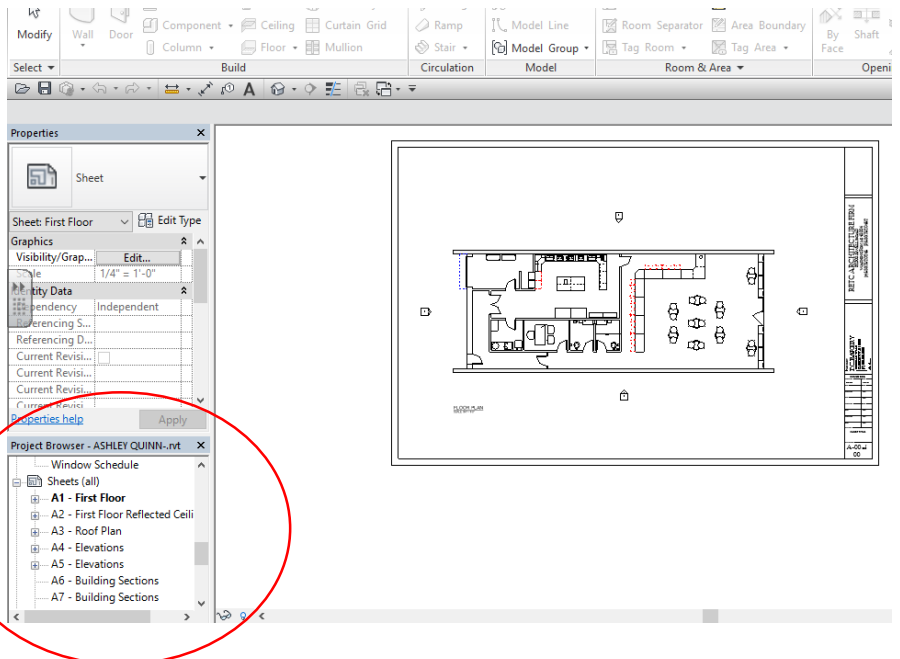
INTERIOR SIDE

- Layout the outline of your space including a portion of your neighbors. For now, set your wall height to 18'-0". (This may change when we add the roof and parapet wall.)
- Create a floor 6" poured concrete on 4" compacted granular fill. Add this to your space.
- You can use Basic Wall Interior 6- 1/8" Partition (2-Hour) for the interior walls of your own space.
- Begin the basic layout of your floor plans.



Setting up a Title Block for your drawing

- Go to the Y: Dossin: Revit Work Files and open up the RETC TITLE BLOCK.rfa file
- Immediately do a save as and save this .rfa file into YOUR architecture folder and rename it **RETC TITLE BLOCK- YOUR PROJECT NAME.rfa**
- In your Project Browser scroll down to the where the sheets are listed click on one of the sheets, for example First Floor.



4. A page will show up with your plan inside a pre-made title block. Click on this title block so it is highlighted blue.
5. Select the Edit Type and click Load and find that new title block that you saved in your architecture folder.
6. You can update the title block information by clicking on the elements.
7. Repeat the updating of the title block on all pages.

