

//////////////////////////////////////UNIVERSITY OF COLORADO

**AREN1027**

**ASSIGNMENT 5 – ADVANCED REVIT FAMILY**

**OBJECTIVE:**

Create a more advanced parametric Revit family and gain modeling skills within the family editor using the various modeling tool types.

**DIRECTIONS:**

On the Dropbox you will find a Revit file titled, “AREN-1027\_Generic-Family.rfa” within the assignment 5 folder. This is the file you will use to create the final file for this assignment.

The file you are going to create is a parametric structural platform. Refer to the video titled, “Structural-Platform-Family” that is also in the assignment 5 folder for the steps to create this advanced parametric family. After you have created this family, following the video, you will save the file as, “TodaysDate\_ Assignment-5- Structural-Platform \_Your-Name”.

**REQUIRED TOOLS AND MATERIALS**

- Revit 2017 (Provided in the CAD lab or it can be downloaded to your laptop)
- Structural-Platform-Family (provided on D2L dropbox)
- AREN-1027\_Generic-Family.rfa (provided on D2L dropbox within the assignment 5 folder)

**WHAT’S DUE FOR THE ASSIGNMENT**

One final file as described under the directions section above and as depicted in the video on D2L dropbox.

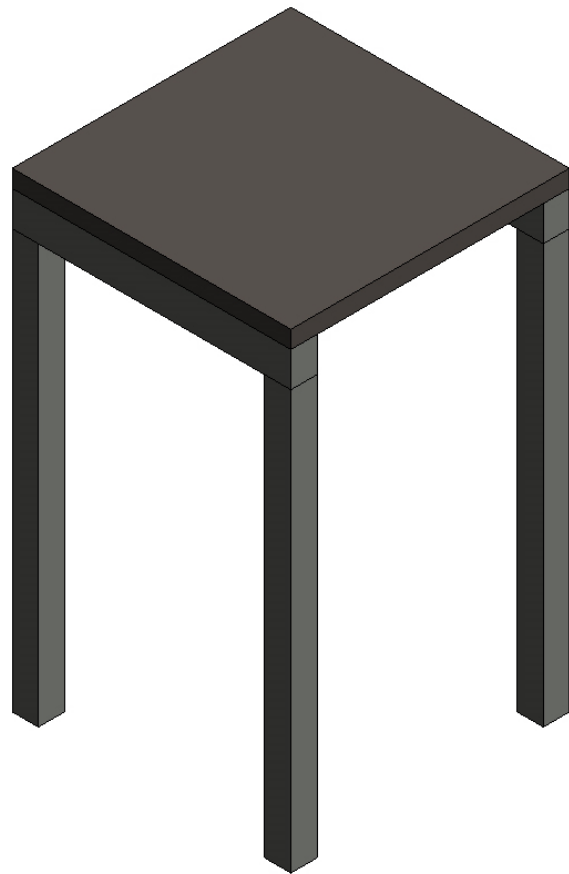
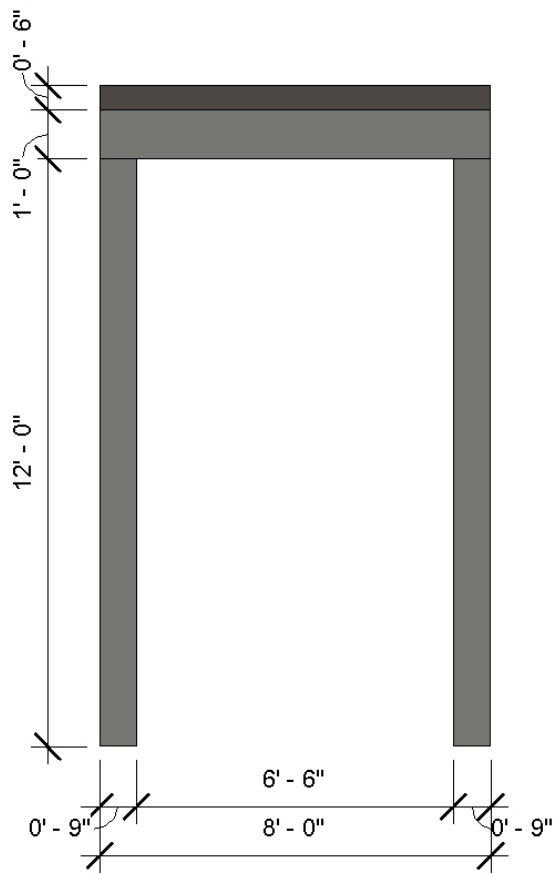
**GRADING CRITERIA**

Your structural platform family must be able to “flex” properly and have the exact parameters applied to it as depicted in the video on D2L dropbox.

**FINAL DUE DATE**

2/13/17 before the beginning of lecture.

**GRAPHIC DESCRIPTION BELOW:**



Family Types

Name:

Parameter	Value	Formula	Lock
<b>Constraints</b>			
Default Elevation	0' 0"	=	<input checked="" type="checkbox"/>
<b>Materials and Finishes</b>			
Deck Material	Deck Material	=	
Beam and Column Material	Beam and Column Material	=	
<b>Dimensions</b>			
Width	8' 0"	=	<input type="checkbox"/>
Height	12' 0"	=	<input type="checkbox"/>
Deck Depth	0' 6"	= Depth / 16	<input type="checkbox"/>
Depth	8' 0"	=	<input type="checkbox"/>
Column Width	0' 9"	= Height / 16	<input type="checkbox"/>
Beam Width	0' 9"	= Column Width	<input type="checkbox"/>
Beam Depth	1' 0"	= Width / 8	<input type="checkbox"/>
<b>Identity Data</b>			
URL		=	
Model		=	
Manufacturer		=	
Keynote		=	
Description		=	
Assembly Code		=	
Type Comments		=	
Cost		=	

Family Types

New...  
Rename...  
Delete

Parameters

Add...  
Modify...  
Remove

OK Cancel Apply Help