



presents

***REVIT® Structure***

***A to Z***

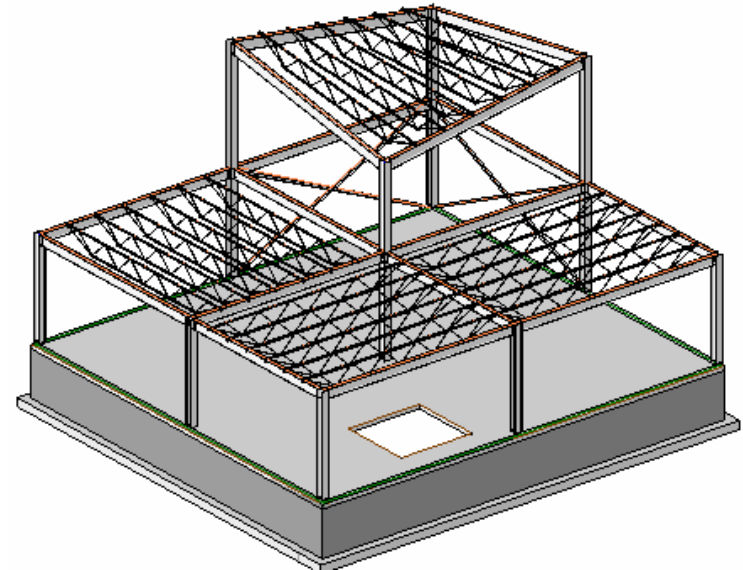
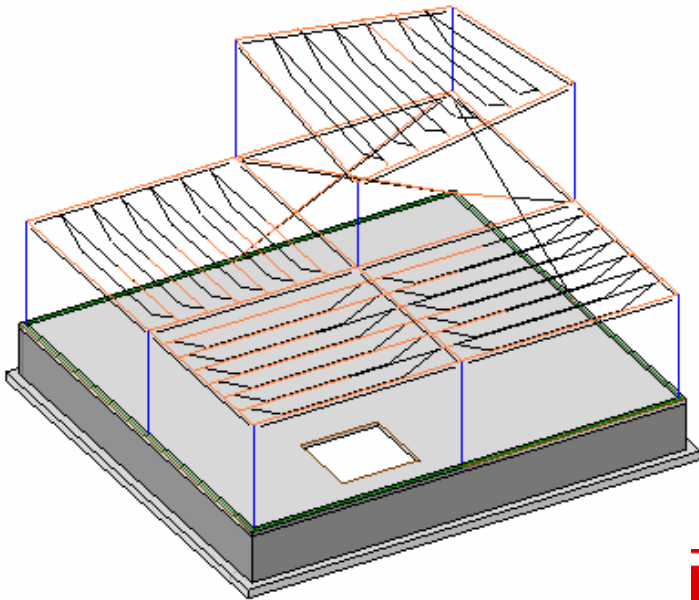
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REVIT is awesome and it is also an autodesk registered trademark

# REVIT® Structure 4

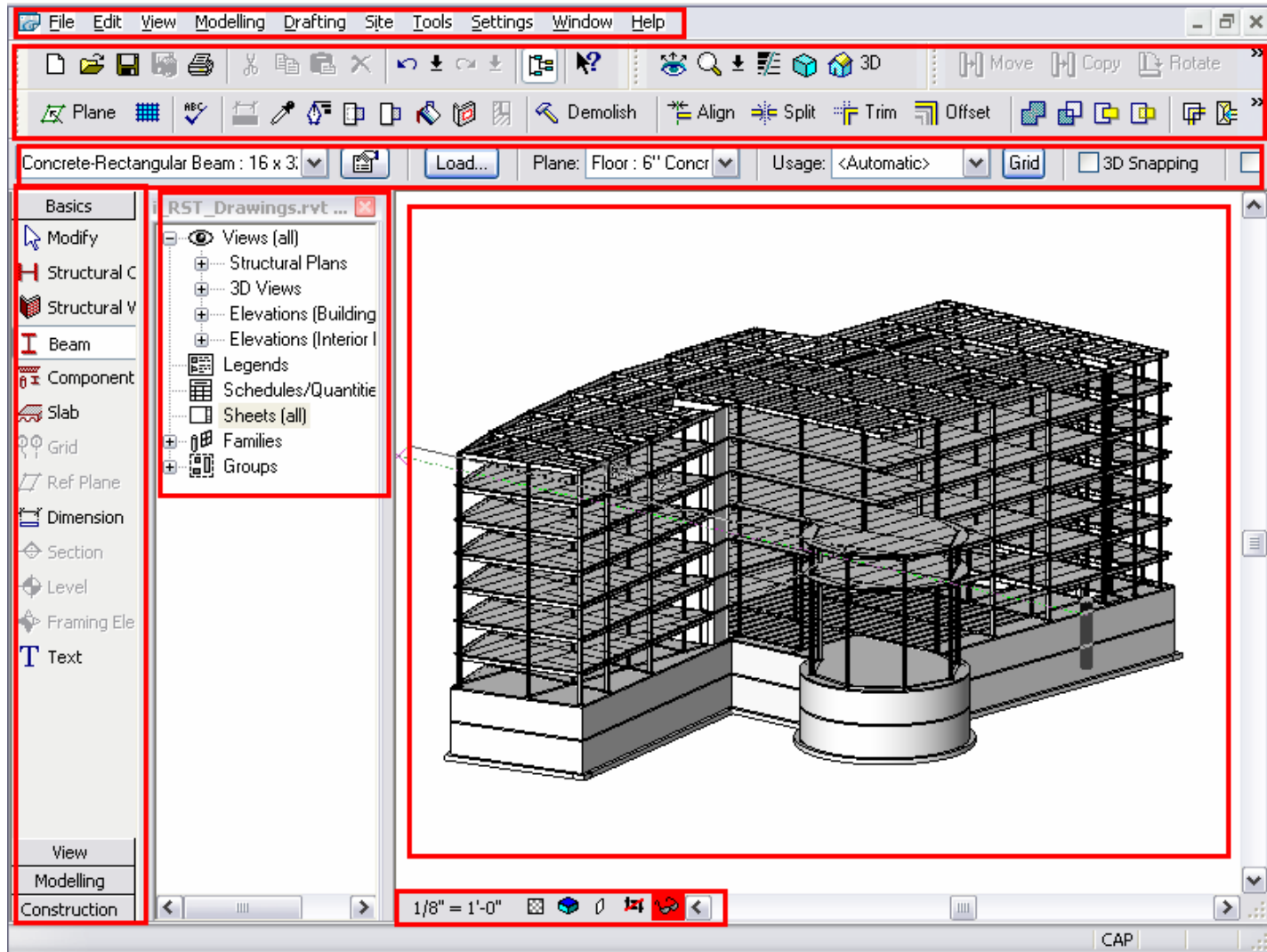
Welcome!

These **CADclips** are designed for the new REVIT user who has not used REVIT before in any capacity.



Training Overview

# REVIT® Structure A to Z



Interface

# REVIT® Structure A to Z

**Options** (File Locations tab):

- Default template file: `Revit Structure 4\Imperial Templates\Structural Analysis-default.rvt`
- Default path for user files: `C:\Documents and Settings\Daryl Gregoire\My Documents`
- Default path for family template files: `C:\Documents and Settings\All Users\Application Data\Autodes`

**Options** (Rendering tab):

- Video Card Capabilities: Revit can utilize special features of some video cards to improve display performance. To find the best setting, try selecting both boxes.
- Use OpenGL Hardware Acceleration:
- Use overlay planes to improve display performance:

**Options** (Rendering tab):

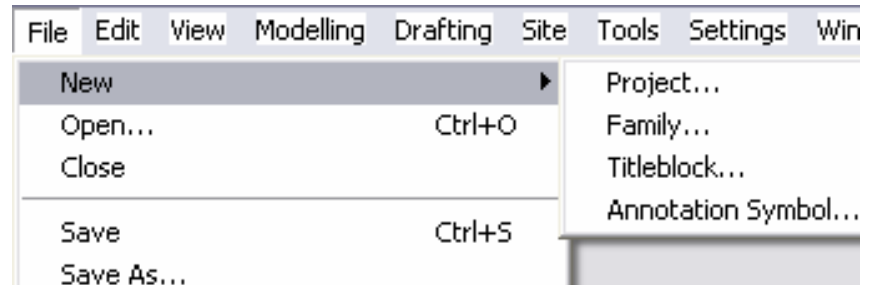
- AccuRender resource location: `Data\Autodesk\Revit Structure 4\Rendering\AccuRender\Redist`
- Limit Rendering to Single Processor:
- Additional rendering material directories:
  - `C:\Program Files\Autodesk Revit Structure 4\Data\Materials`
  - `C:\Documents and Settings\All Users\Application Data\Autodesk\Revit Structure 4\F`

**Options** (Spelling tab):

- Settings:
  - Recheck typed replacements:
  - Ignore words in UPPERCASE:
  - Ignore words containing numbers:
  - Ignore pure numbers:
  - Ignore capitalized words:
  - Ignore words with mixed case:
  - Ignore file names and directories:
- Main Dictionary:
  - Autodesk Revit:  English (United States)
  - Microsoft Office:  English (United States)
- Additional Dictionaries:
  - Personal Dictionary: `C:\Program Files\Autodesk Revit Structure 4...\Custom.DIC`
  - Building industry dictionary: `C:\Program Files\Autodesk Revit Structure...RevitENU.DIC`

## Options Settings

# REVIT® Structure A to Z

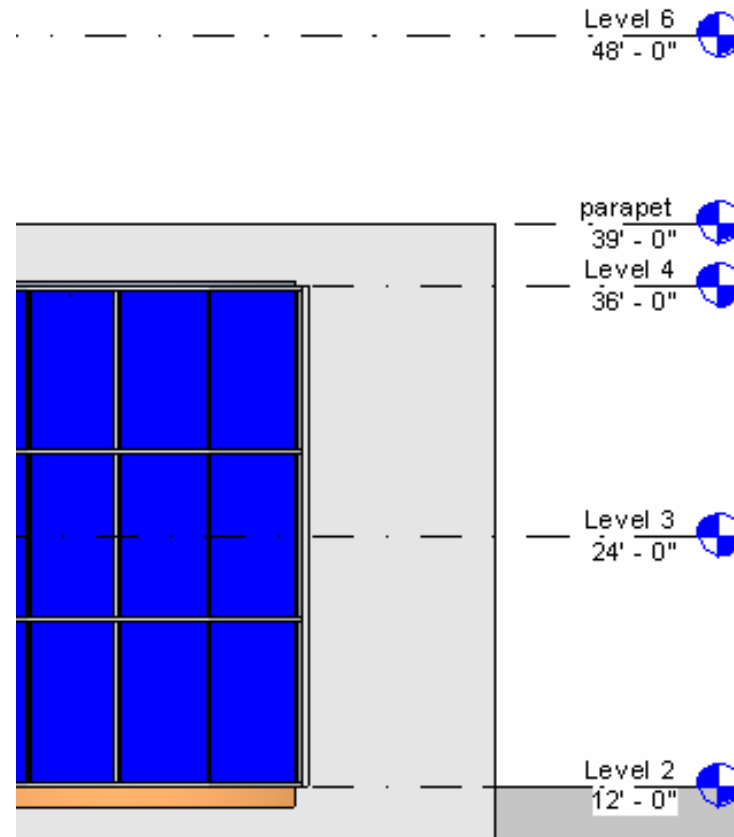
The logo for CADclips.com, featuring the text "CADclips" in a bold, white, sans-serif font with a red outline, and ".com" in a smaller font below it, all set against a red background with a white dashed border.

## REVIT File Extensions

- \* . RVT > revit 'Project' file
- \* . RTE > revit 'Project Template' file
- \* . RFA > revit 'Family' file
- \* . RFT > revit 'Family Template' file

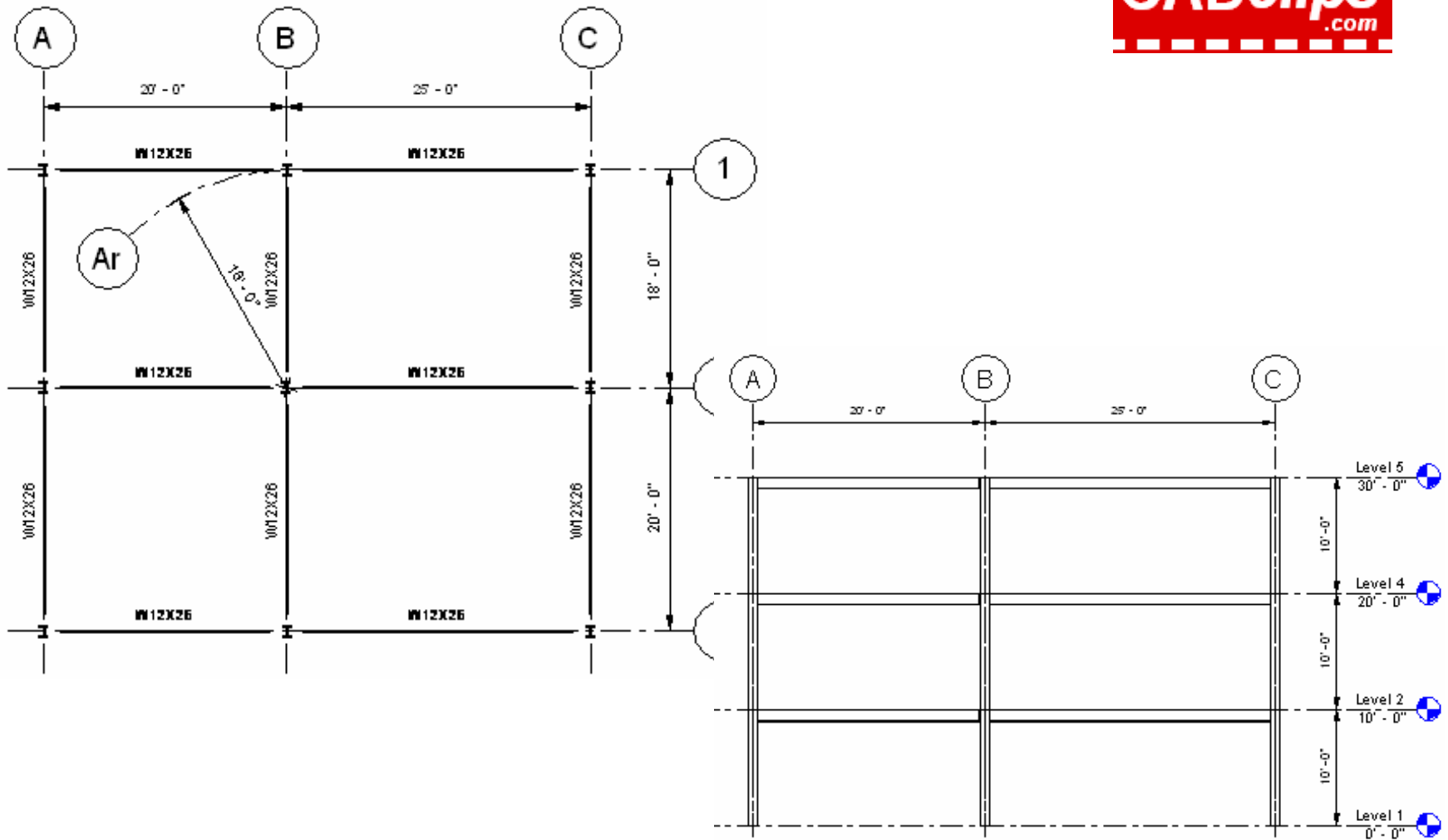
## Files Extensions

# REVIT® Structure A to Z

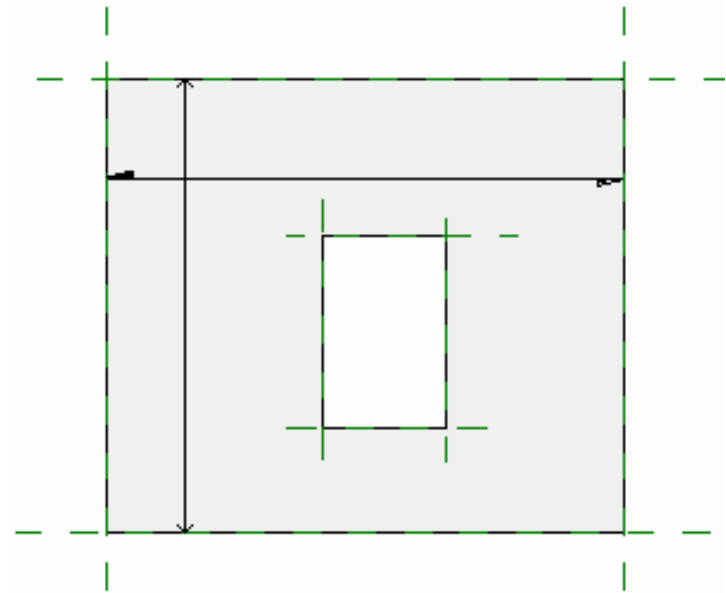
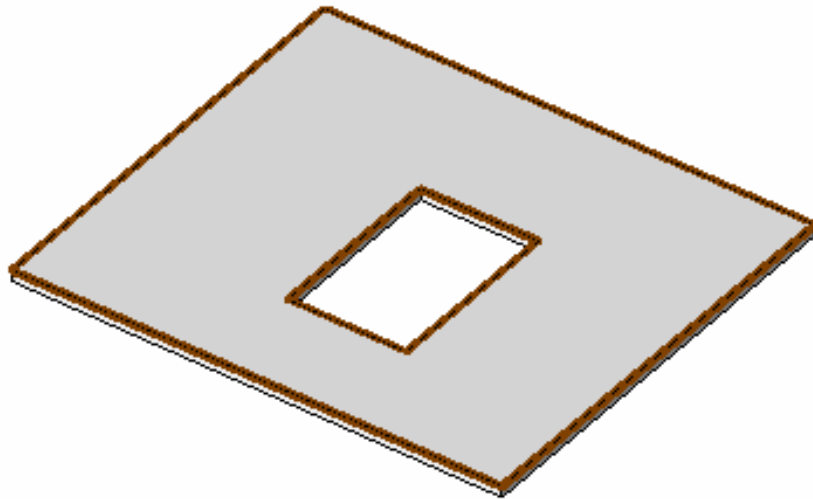


Levels

# REVIT® Structure A to Z



Grids



Reference Planes

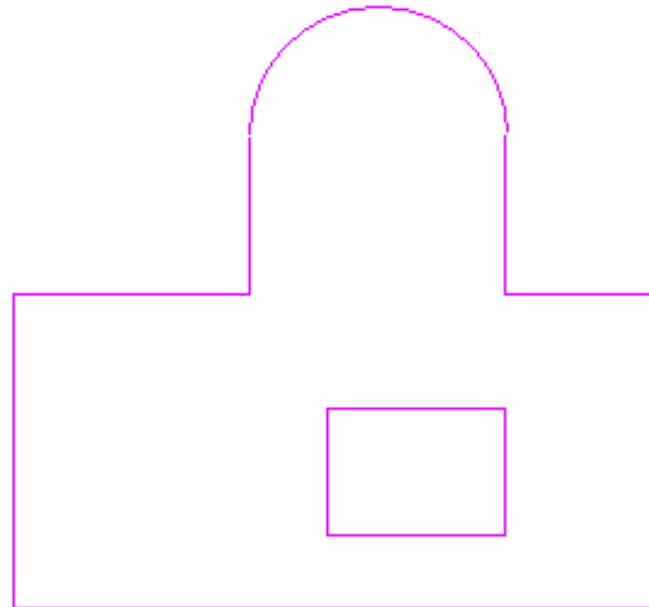


# REVIT® Structure A to Z



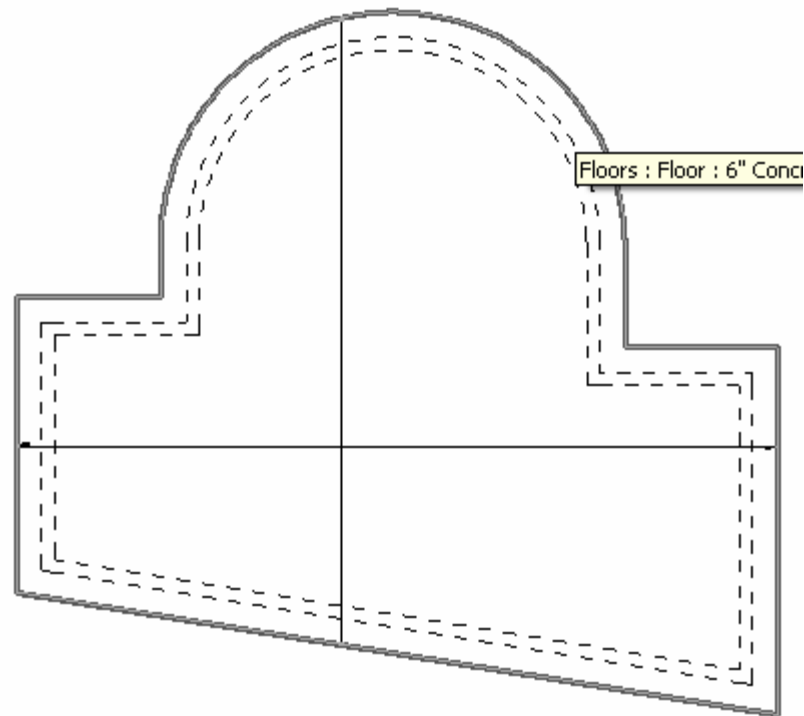
- Sketch
- Modify
- Dimension
- Lines**
- Ref Plane
- Pick Supports
- Pick Walls
- Slope Arrow
- Set Work Plane
- Floor Properties
- Finish Sketch
- Quit Sketch

Chain  Offset: 0' 0" Radius: 1' 0"



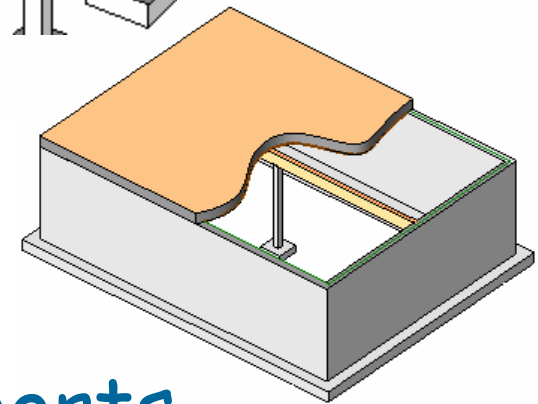
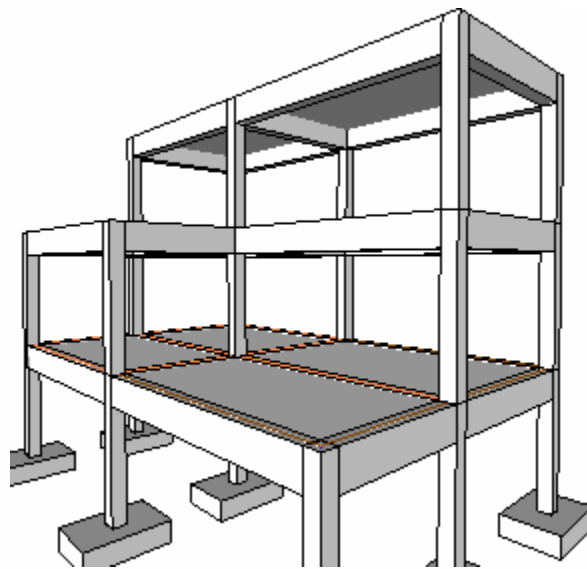
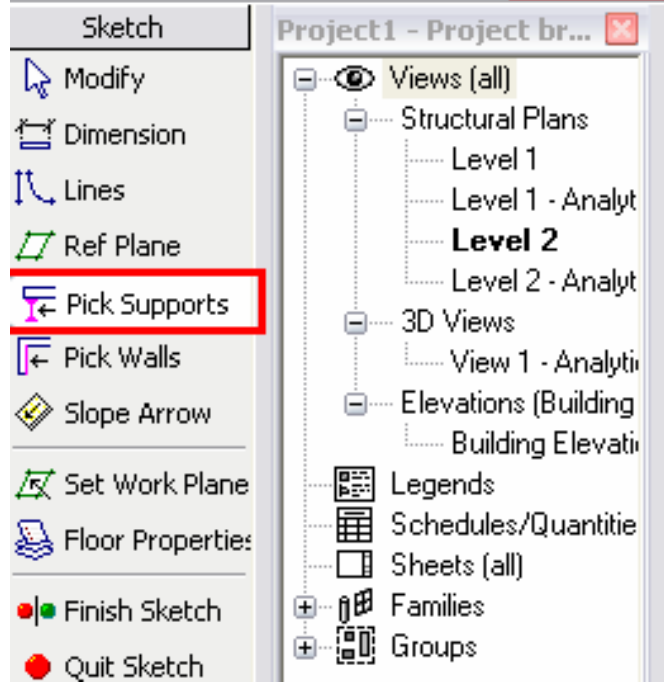
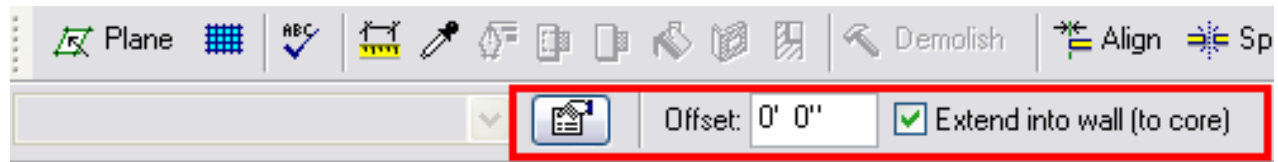
## Floor Slabs - Sketch by Lines

# REVIT® Structure A to Z

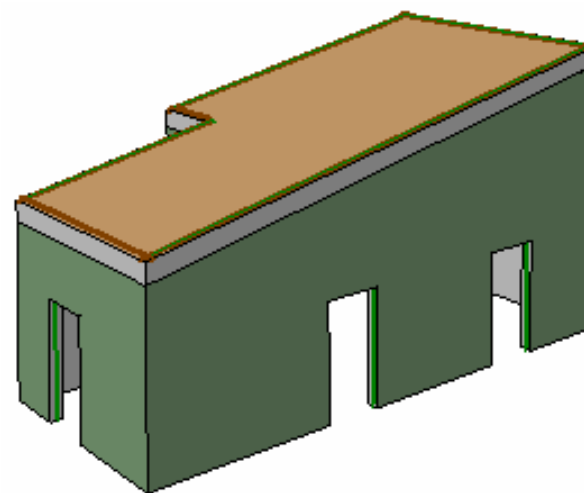
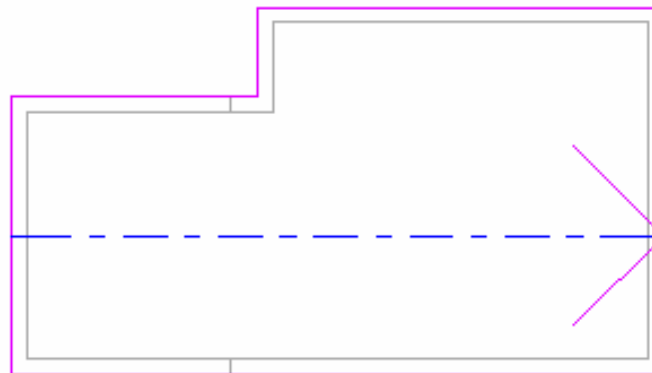


## Floor Slabs - Sketch - Pick Walls

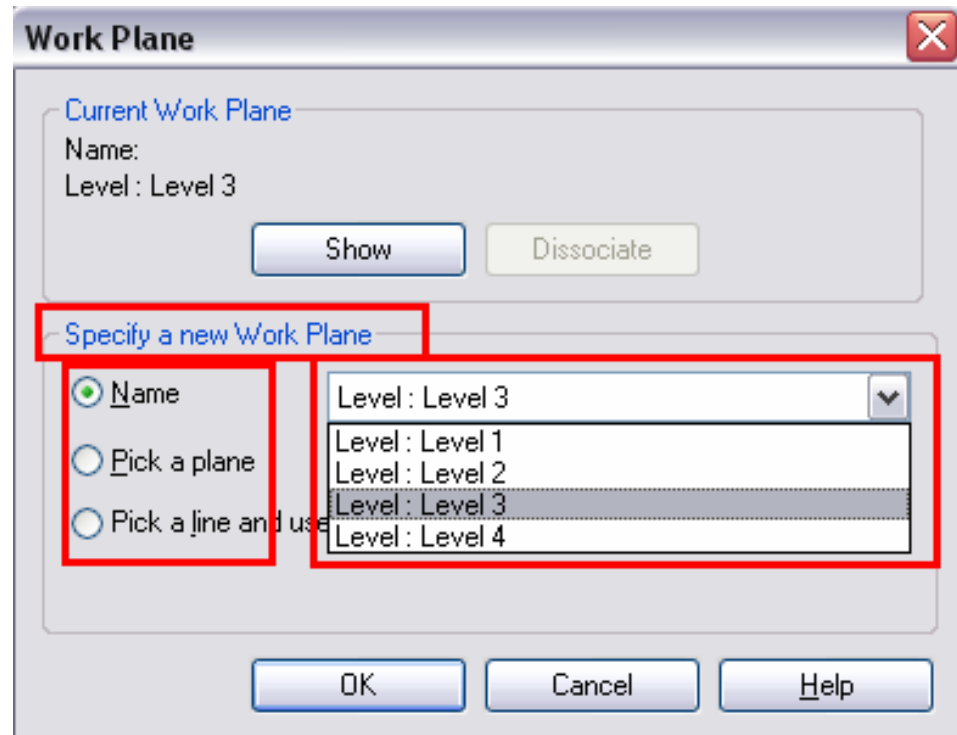
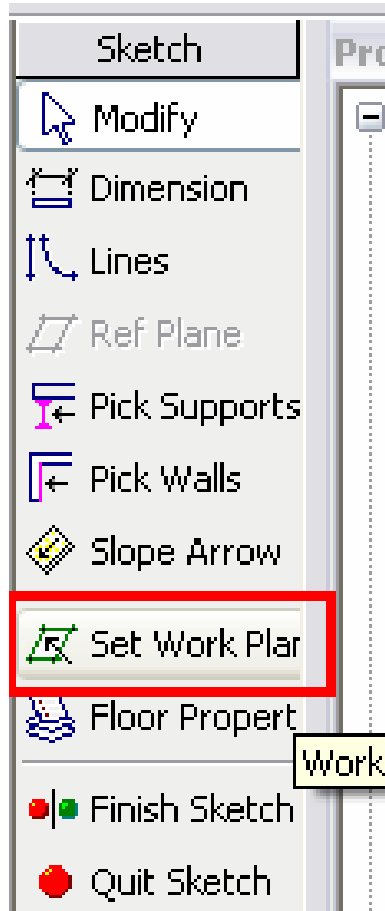
# REVIT® Structure A to Z



## Floor Slabs - Sketch - Supports

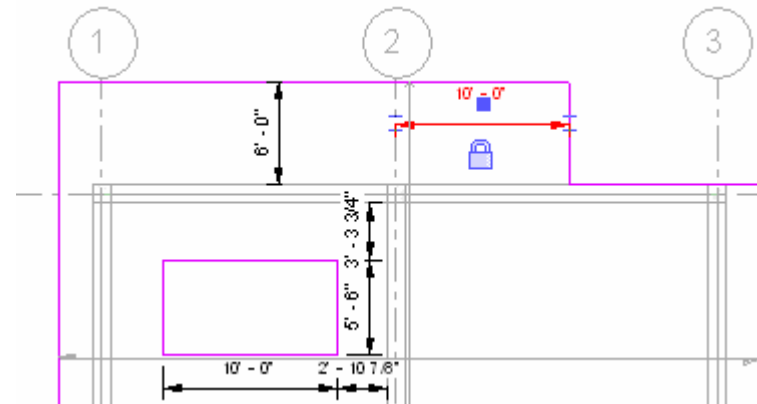
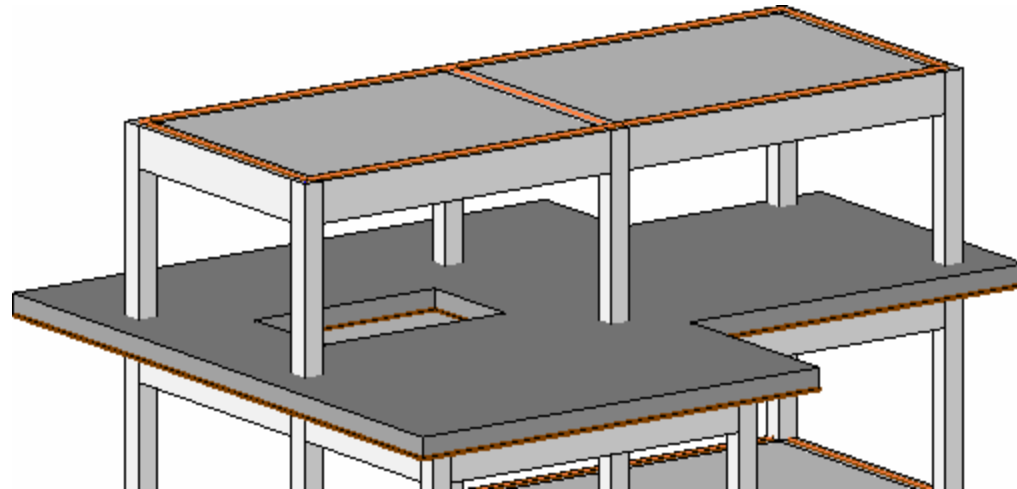


## Floor Slabs - Sketch - Slope Arrow



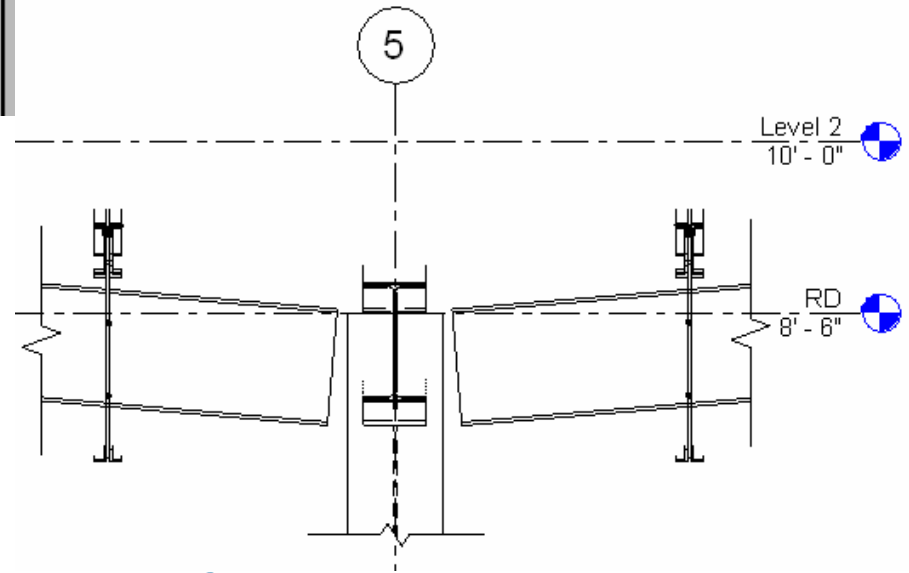
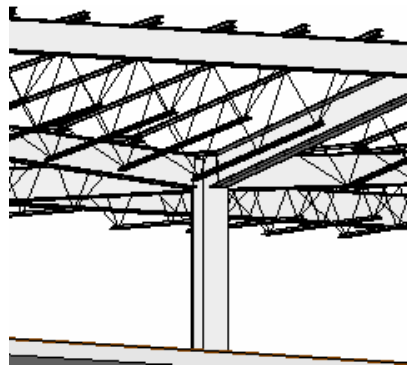
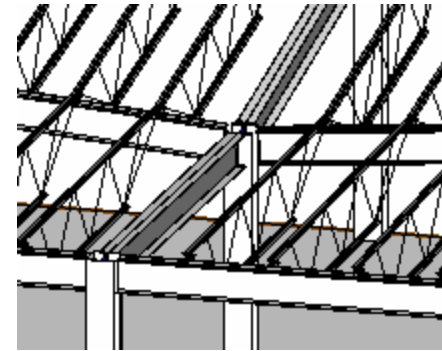
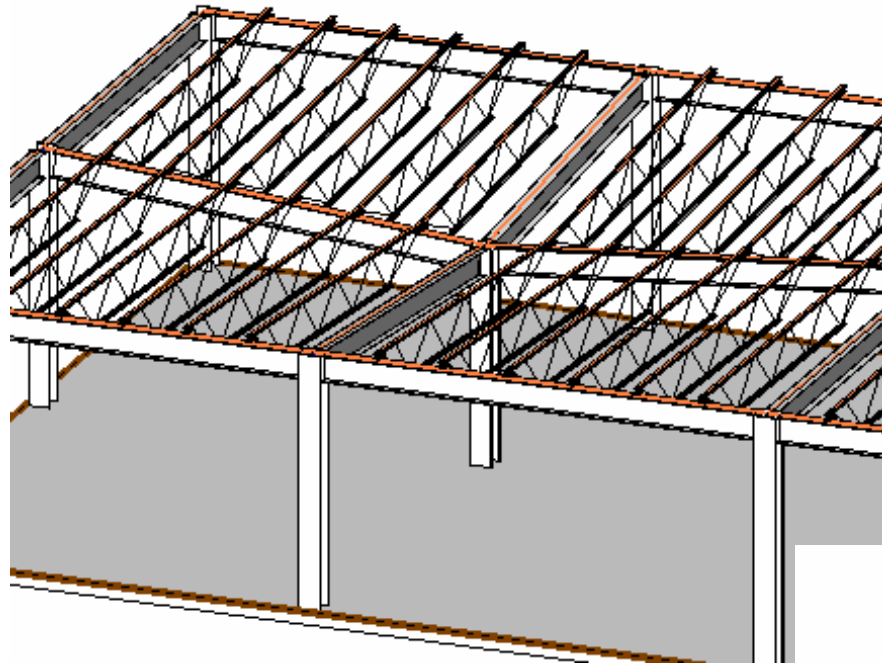
## Floor Slabs - Sketch - Work Plane

# REVIT® Structure A to Z



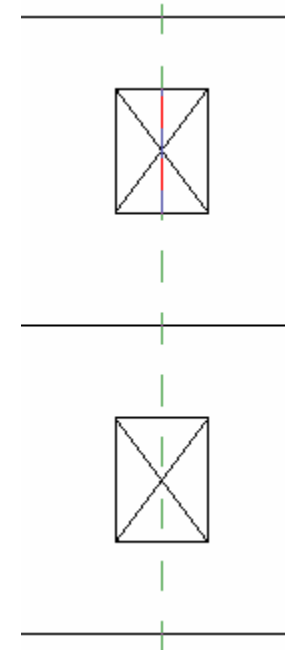
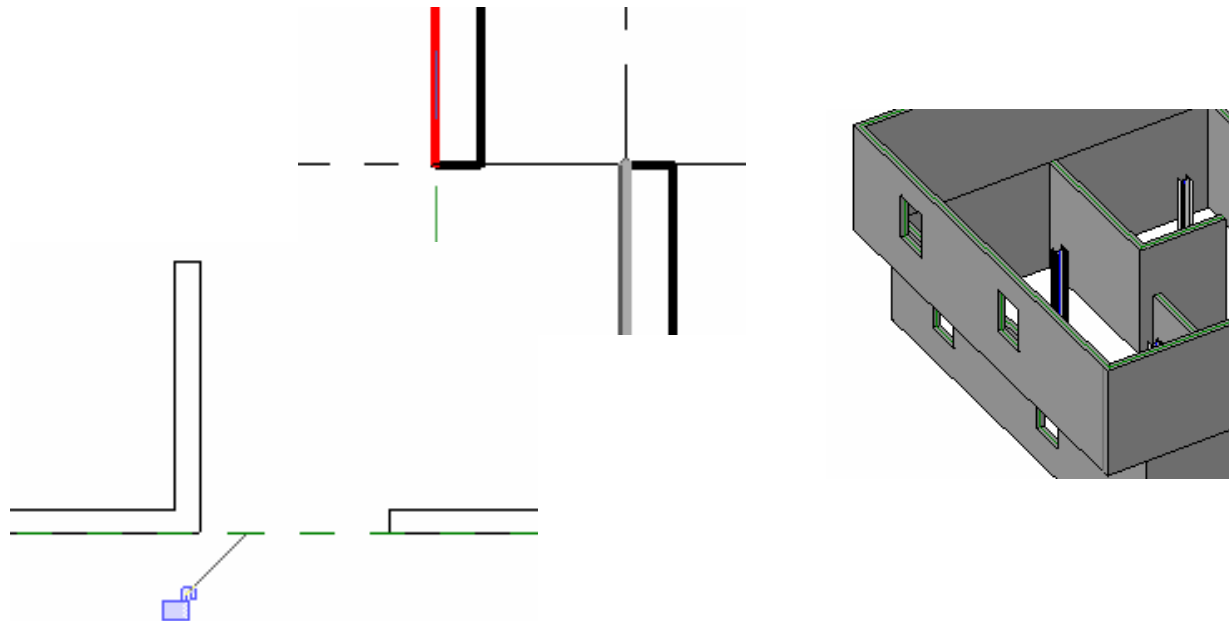
## Floor Slabs - Sketch - Dimensions

# REVIT® Structure A to Z



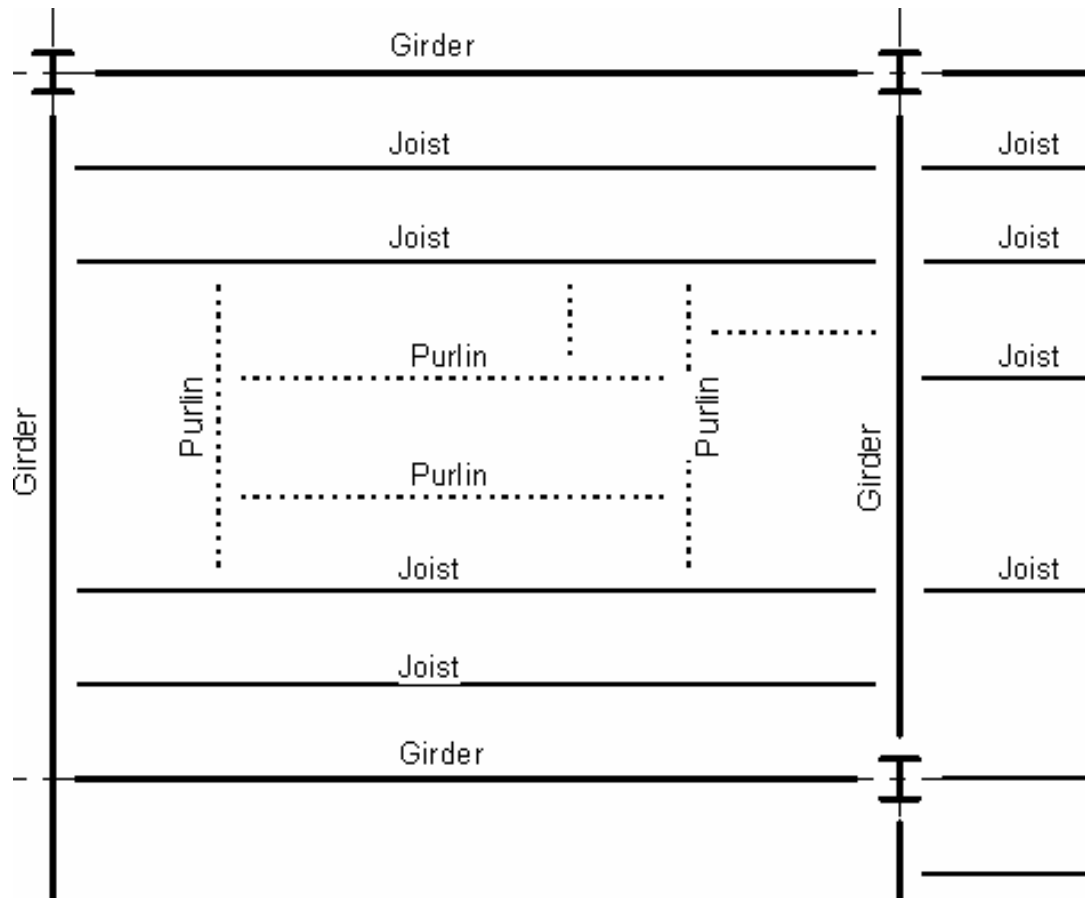
## Sloped Flat Roof System

# REVIT® Structure A to Z



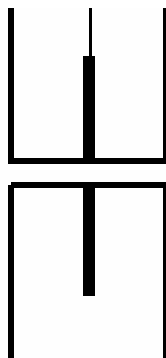
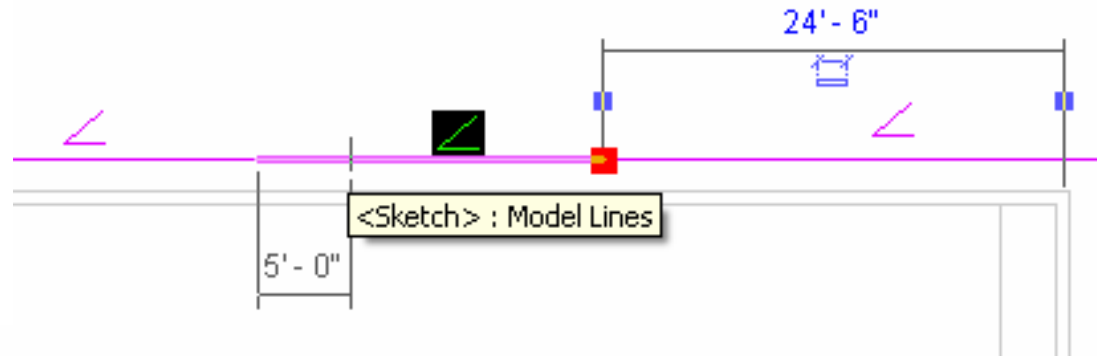
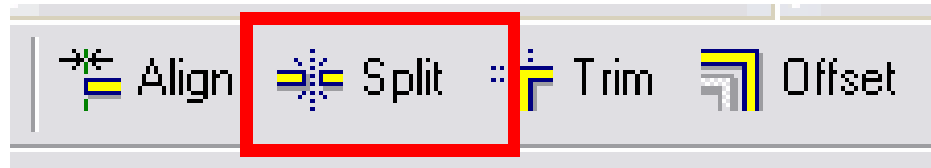
ALIGN - My favorite tool !





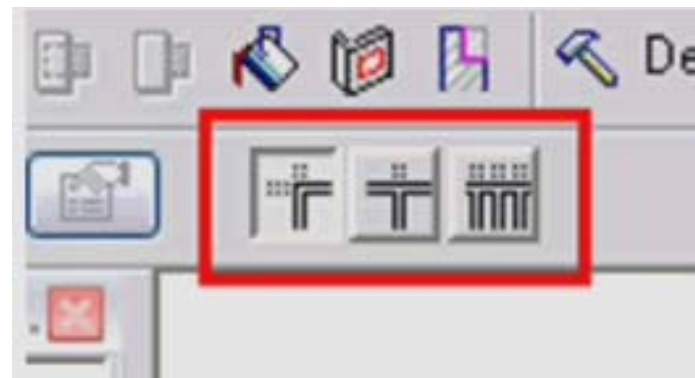
## Beam Usage Assignments

# REVIT® Structure A to Z



## Split Tool

# REVIT® Structure A to Z

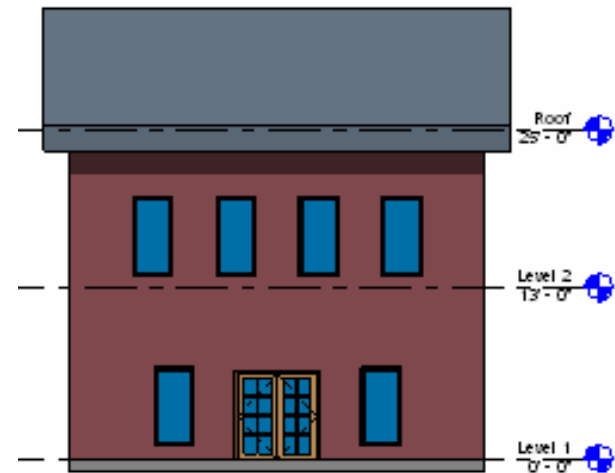
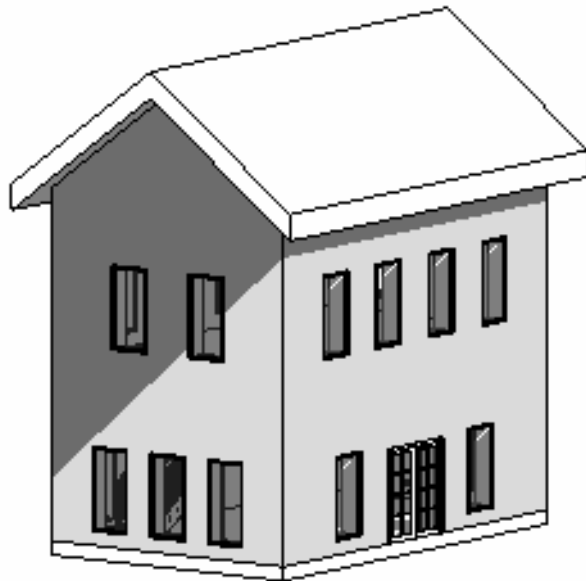
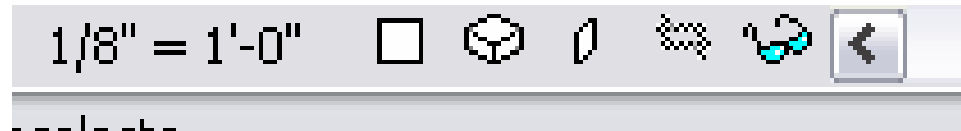


Trim / Extend Tool

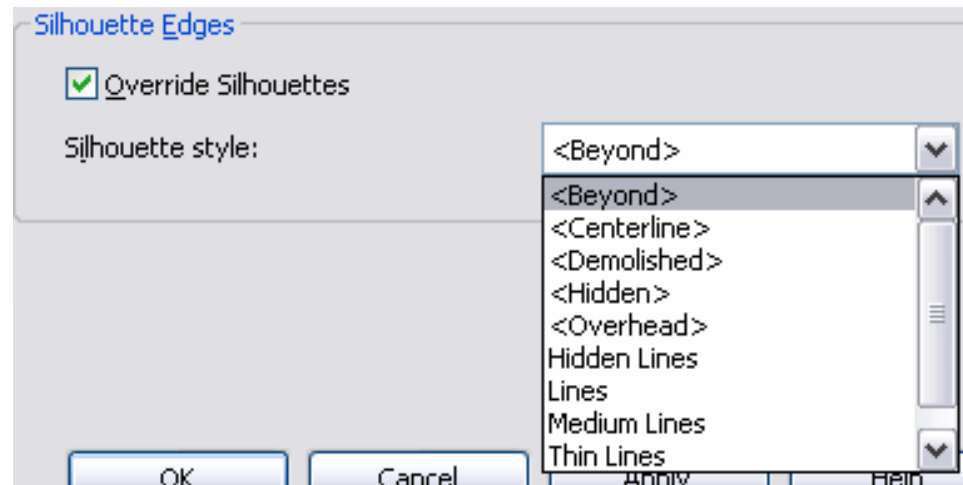
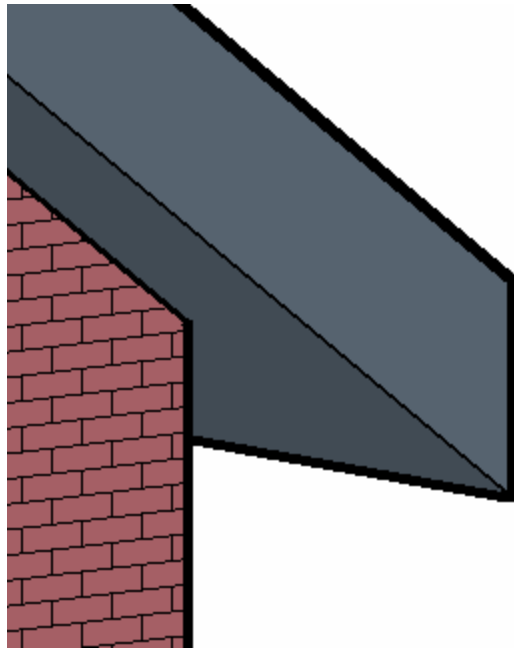


**Offset Tool**

# REVIT® Structure A to Z

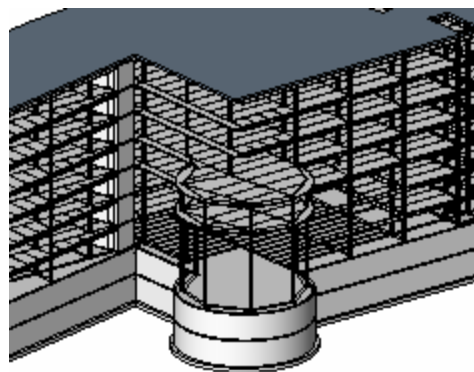
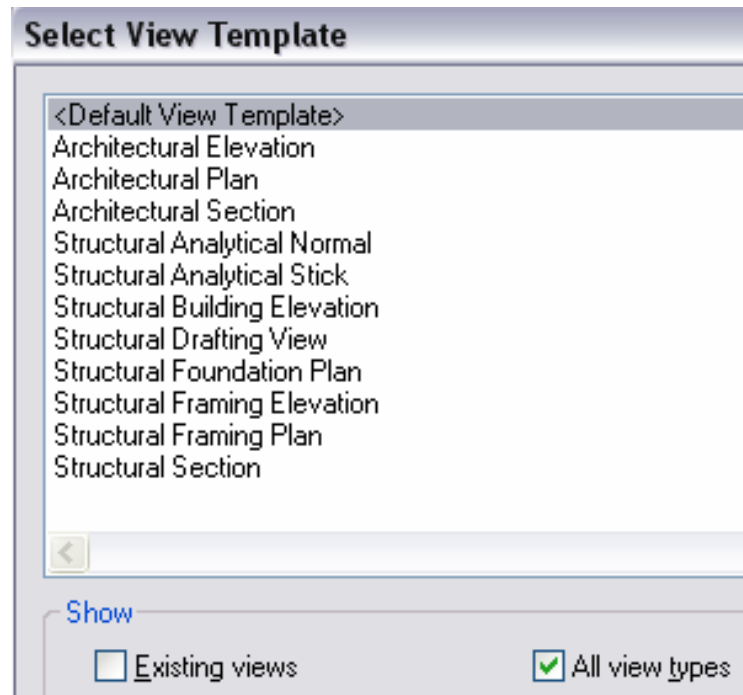
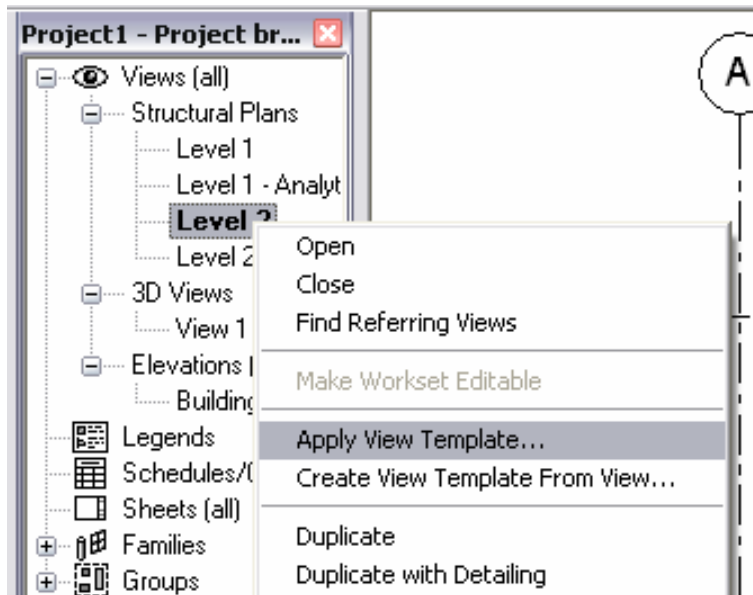


View Control Bar



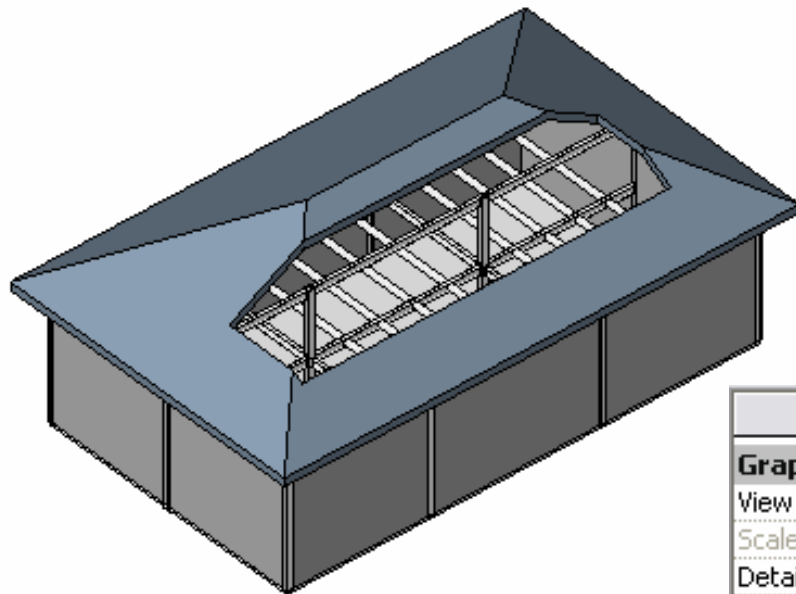
# Silhouette Edges

# REVIT® Structure A to Z



## View Templates

# REVIT® Structure A to Z

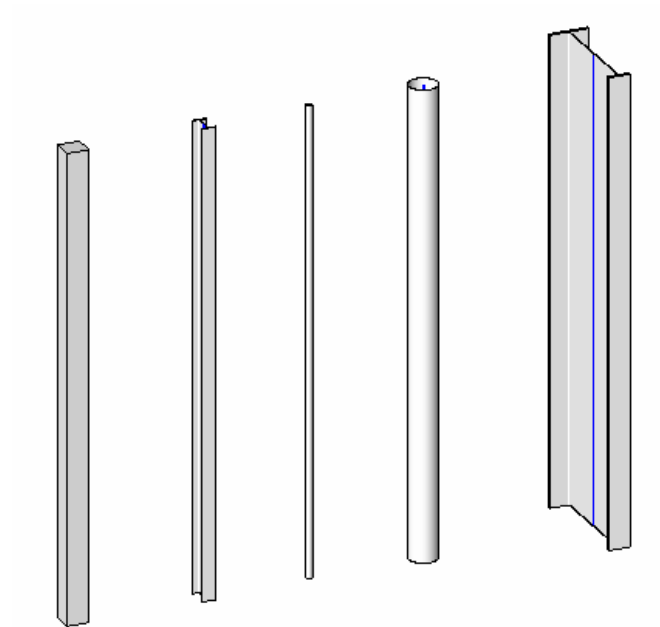
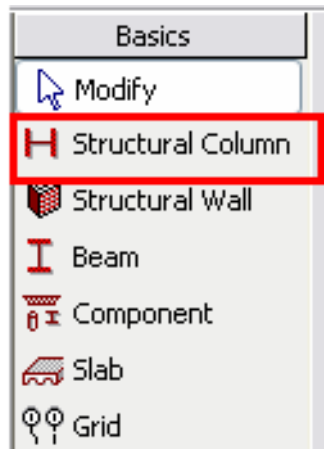


Parameter	Value
<b>Graphics</b>	
View Scale	1 1/2" = 1'-0"
Scale Value 1:	8
Detail Level	Fine
Visibility	Edit...
Model Graphics Style	Shading w/ Edges
Advanced Model Graphics	Edit...
Discipline	Structural
<b>Identity Data</b>	
View Name	{3D}
Title on Sheet	
Default View Template	Structural Drafting View
Documentation Category	Construction Documentation
<b>Extents</b>	
Crop Region	<input type="checkbox"/>

## View Properties

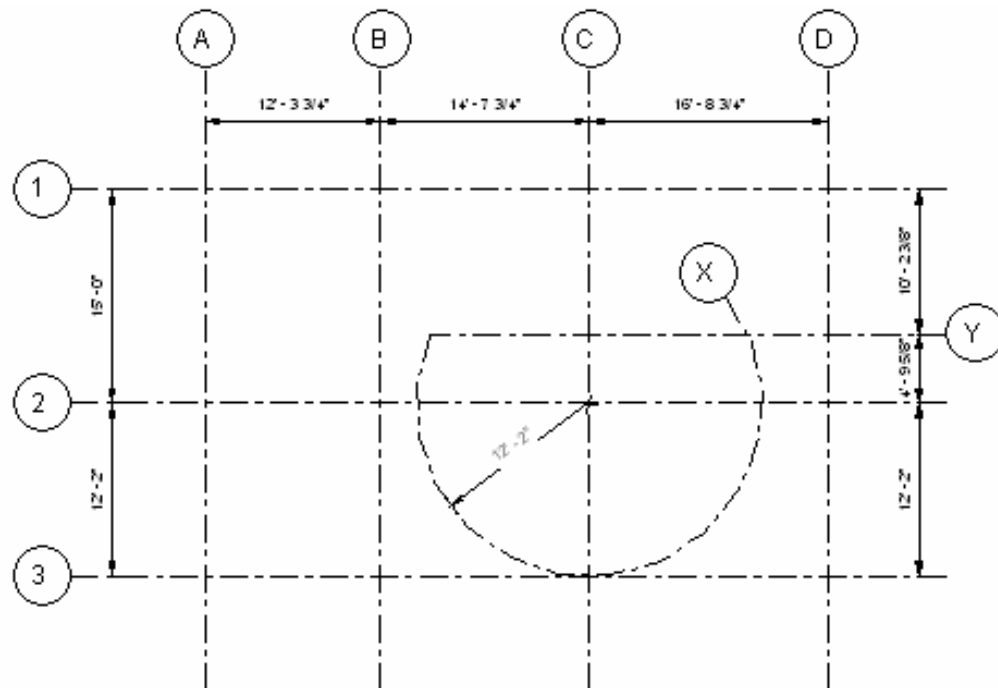
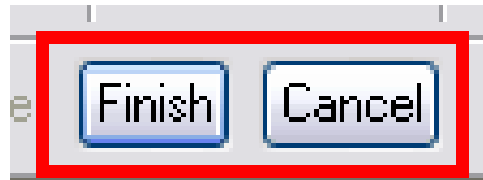


# REVIT® Structure A to Z



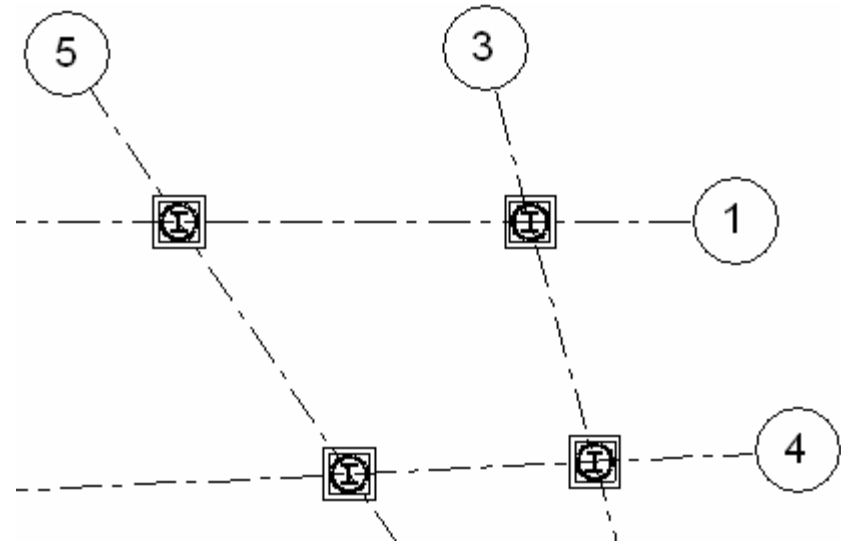
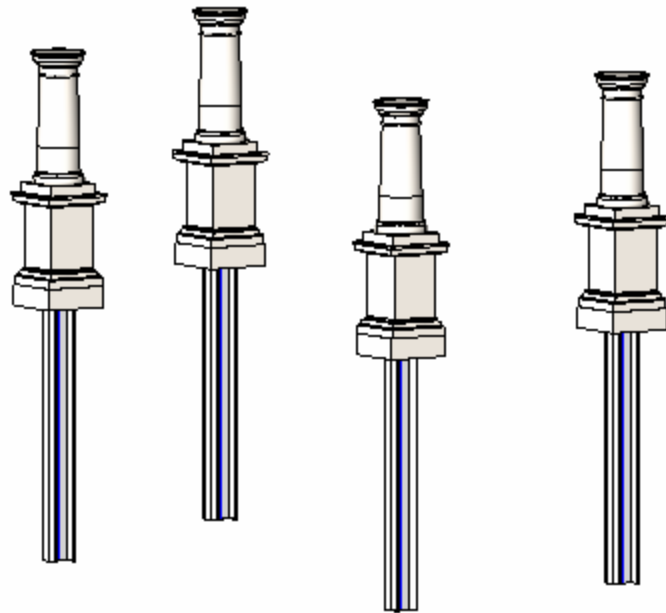
Columns - Load Family

# REVIT® Structure A to Z



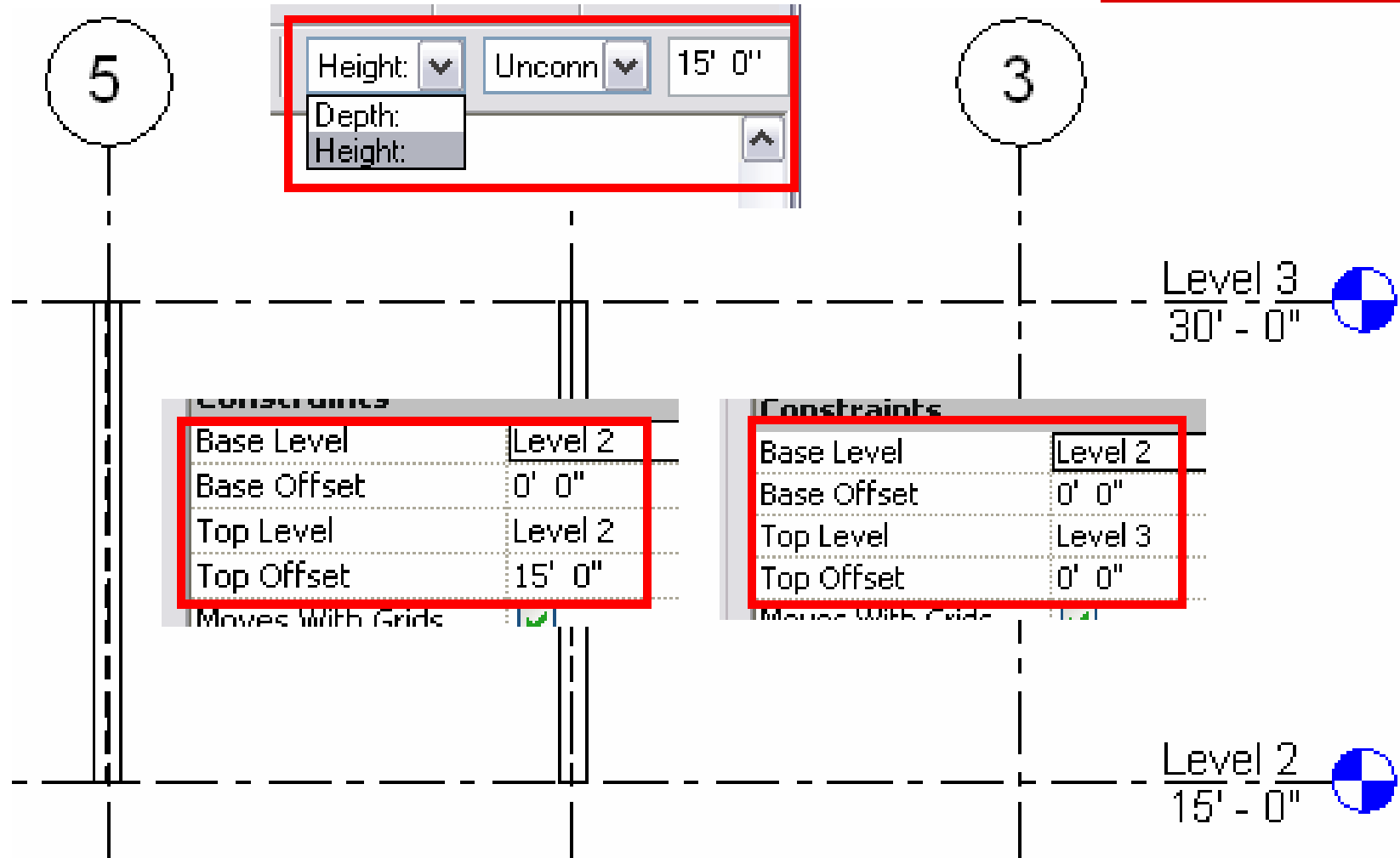
Structural Columns - By Grid Intersects

# REVIT® Structure A to Z



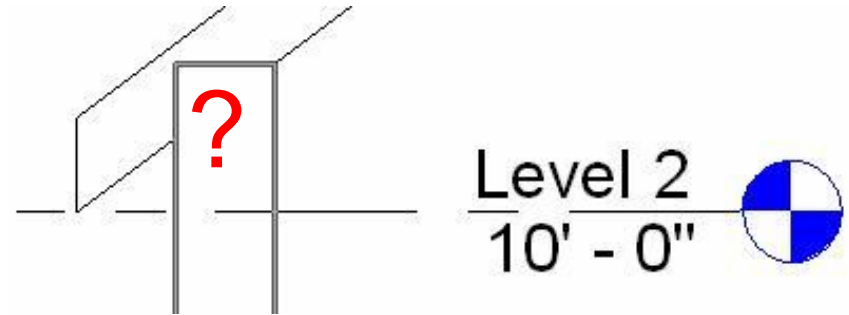
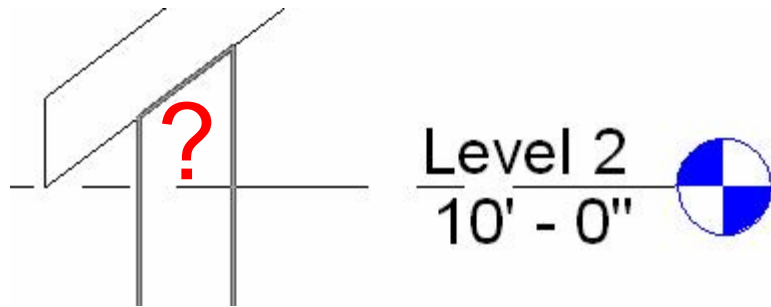
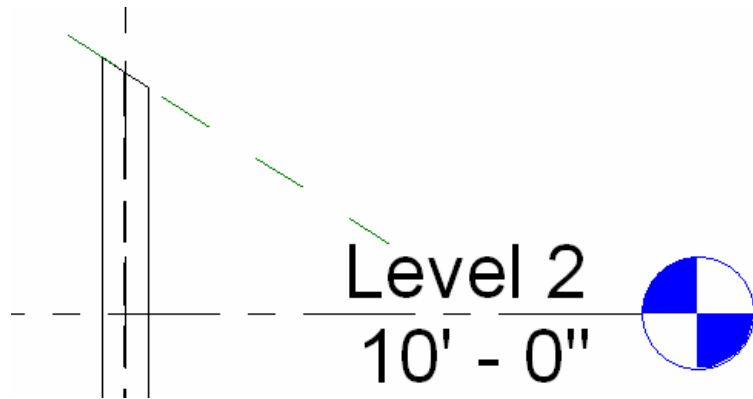
Structural Columns - By Architectural

# REVIT® Structure A to Z



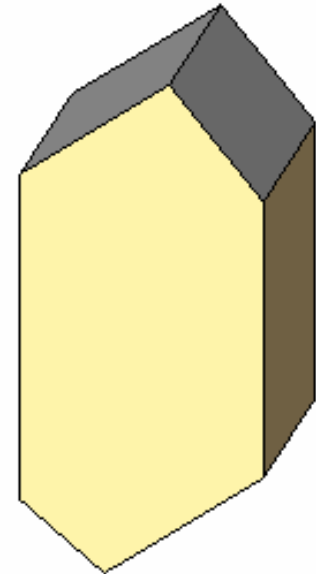
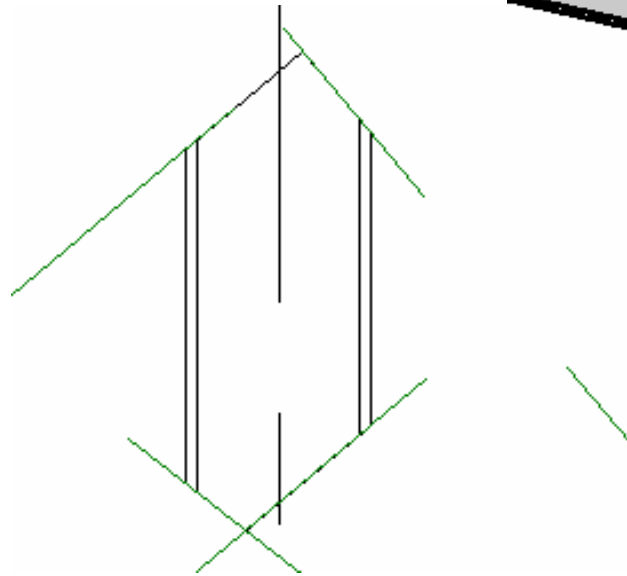
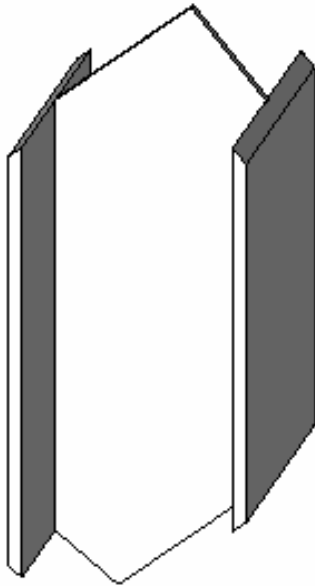
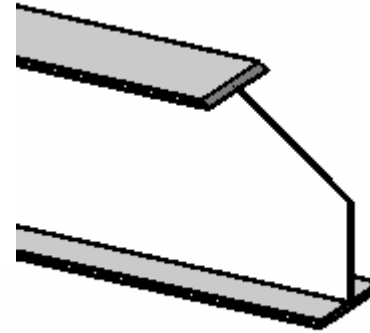
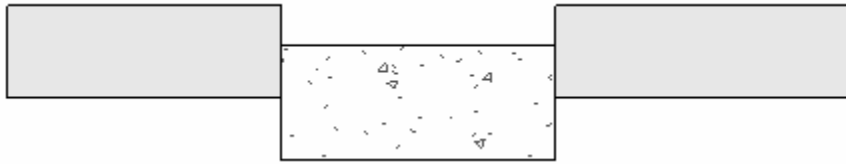
Structural Columns - By Depth or Height

# REVIT® Structure A to Z

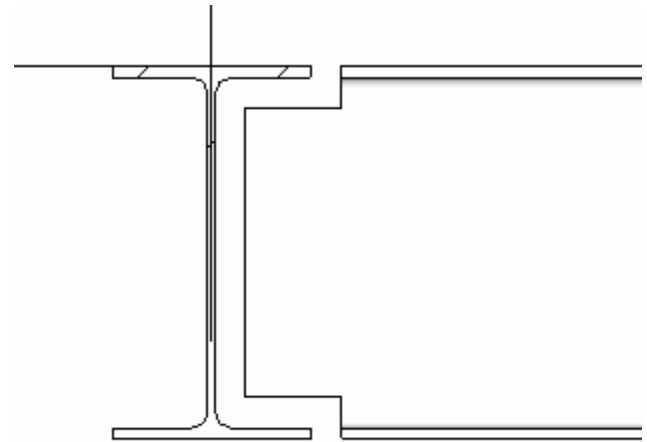
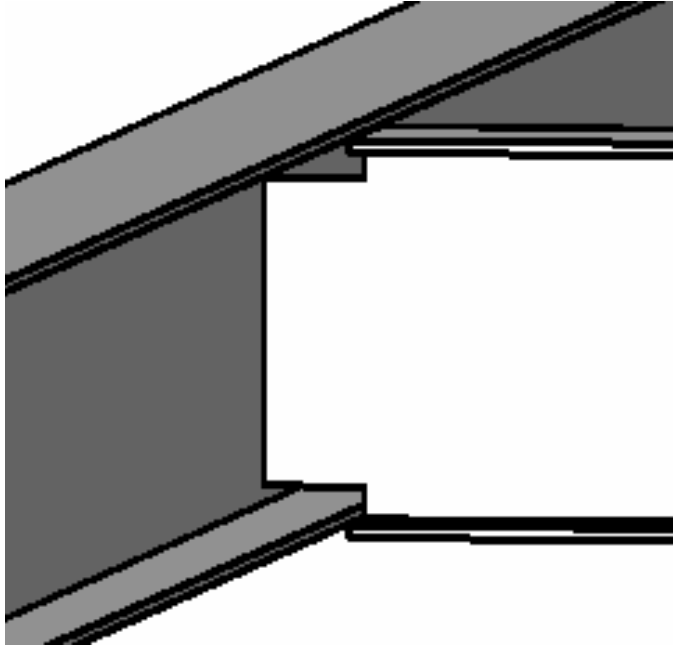


## Structural Columns - Attach / Detach

# REVIT® Structure A to Z

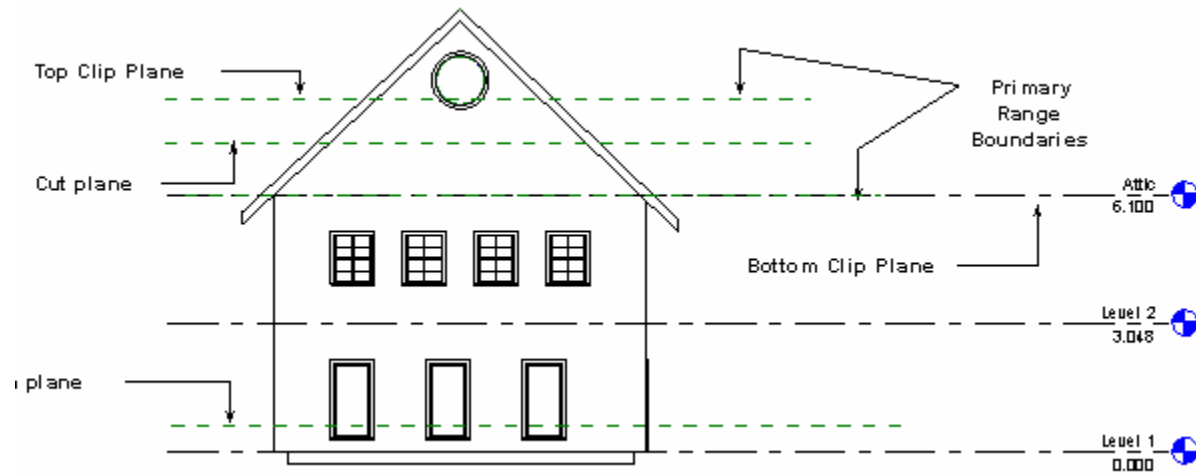
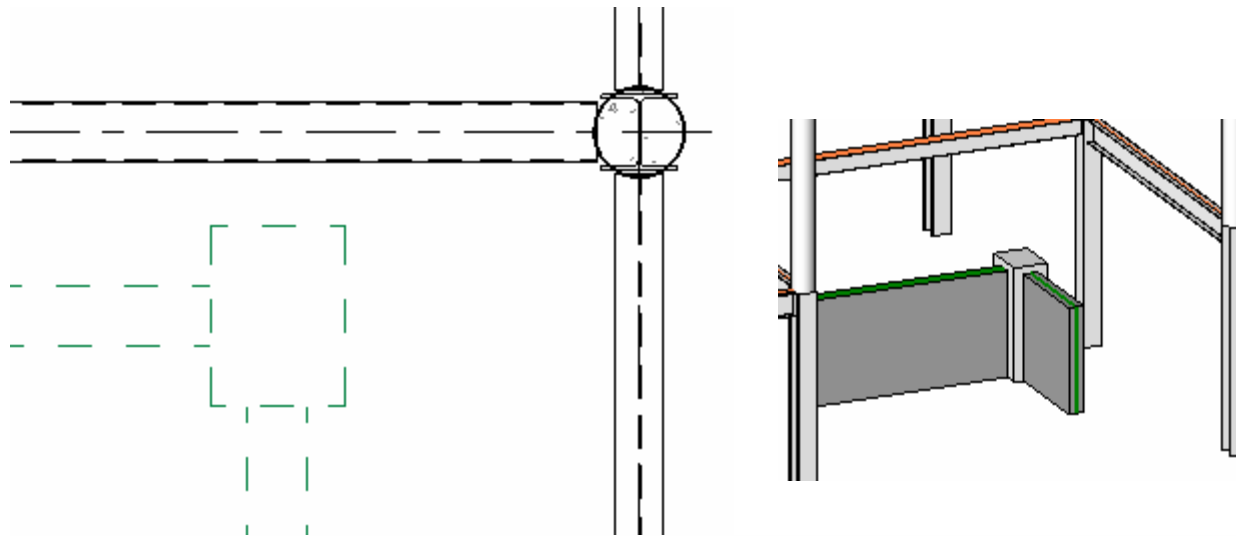


## Cut Geometry



## Coping

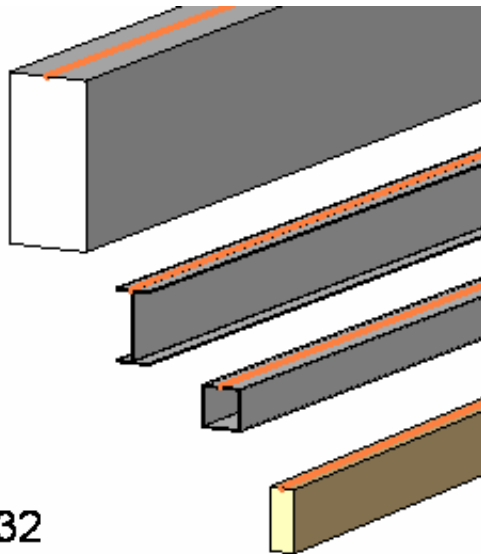
# REVIT® Structure A to Z



## View Range



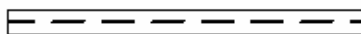
# REVIT® Structure A to Z



16 x 32



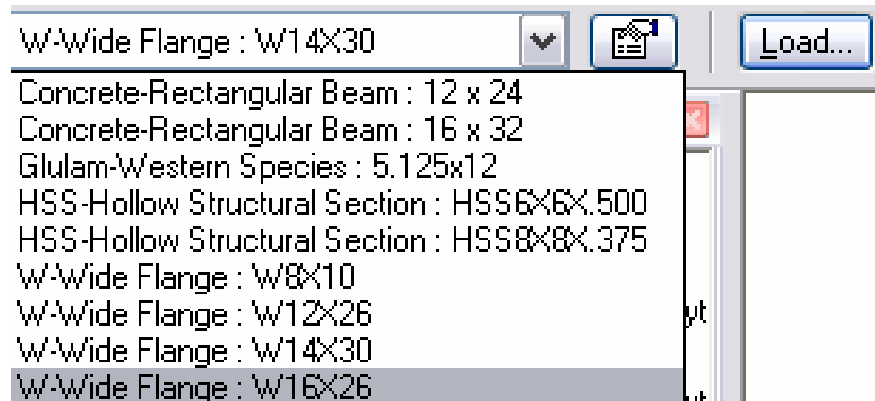
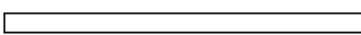
W14X30



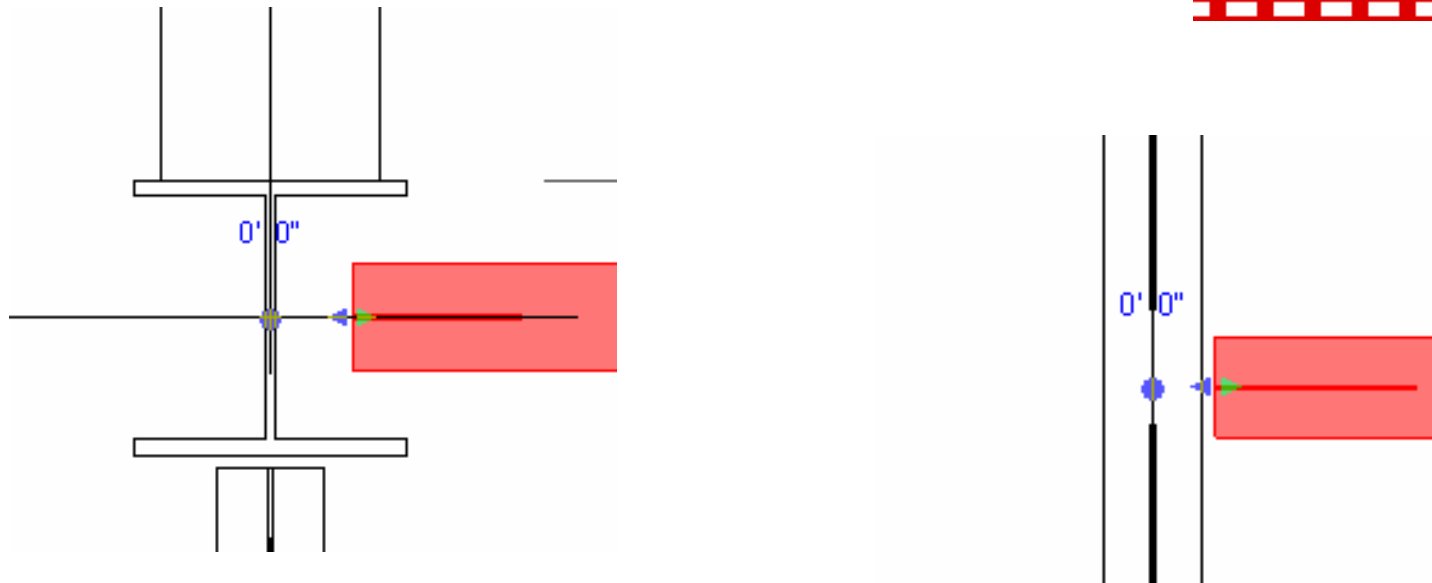
HSS8X8X.375



5.125x12



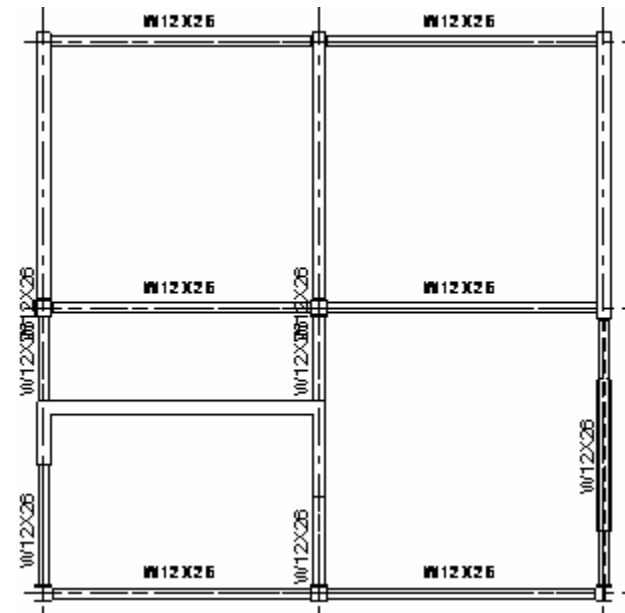
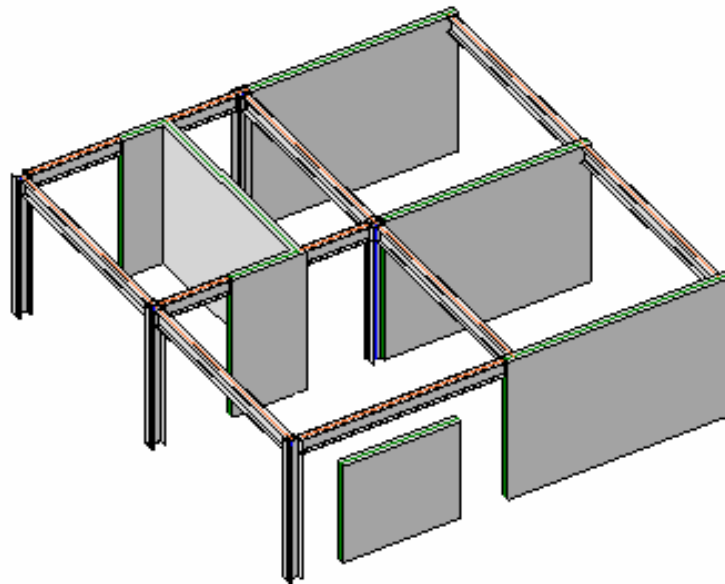
## Beam Families



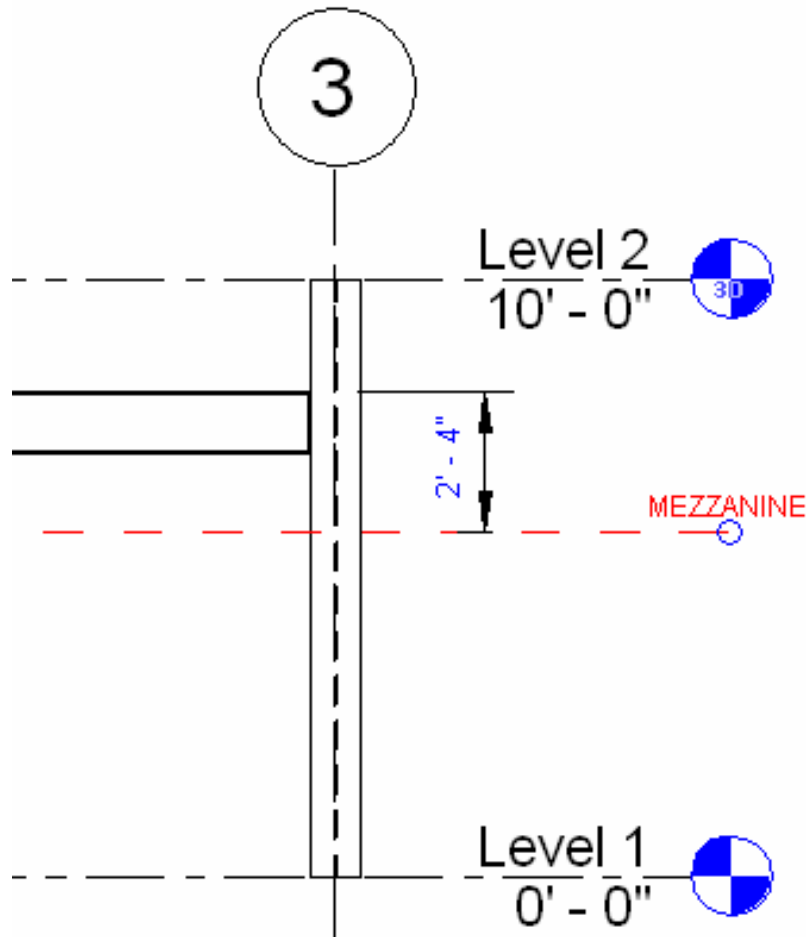
Construction	
Start Extension	-0' 0 1/2"
End Extension	-0' 0 1/2"

# Beam Placement Horizontal

# REVIT® Structure A to Z

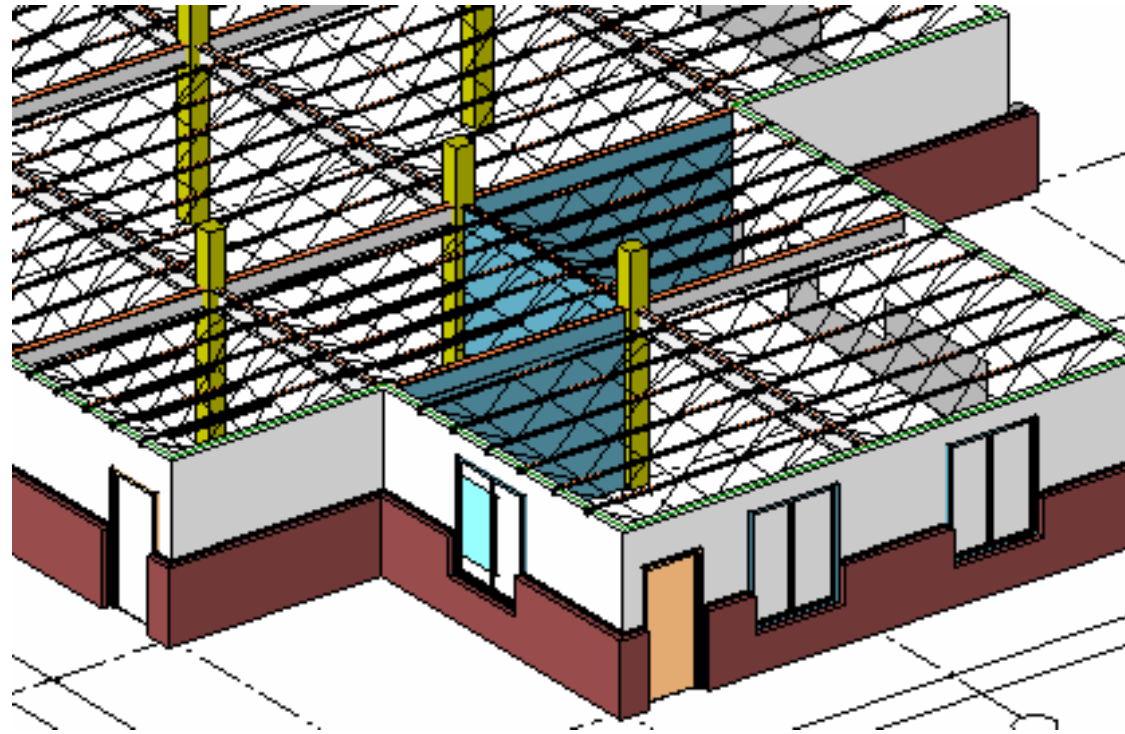


## Beam Placement By Grid



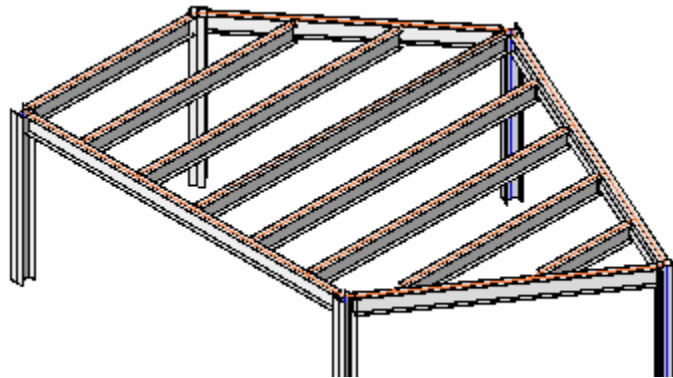
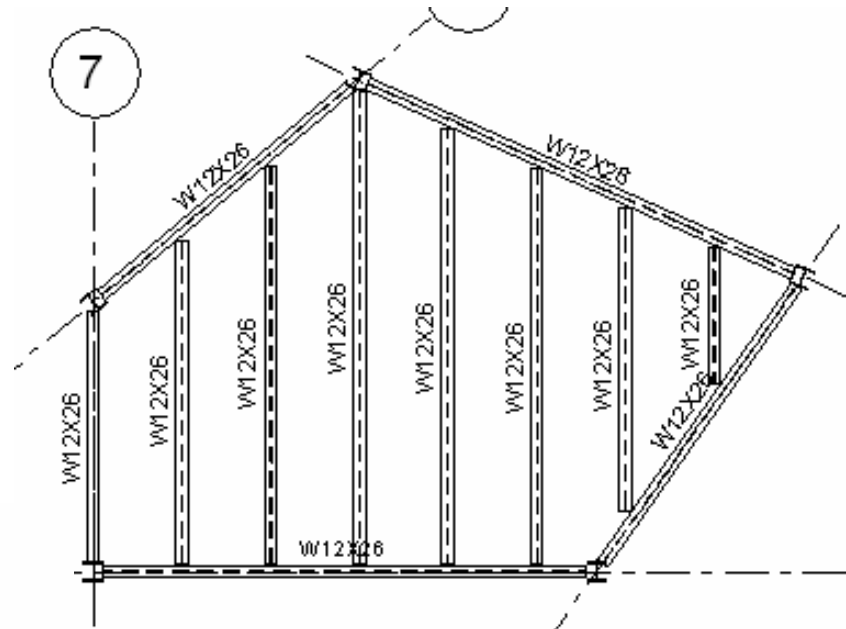
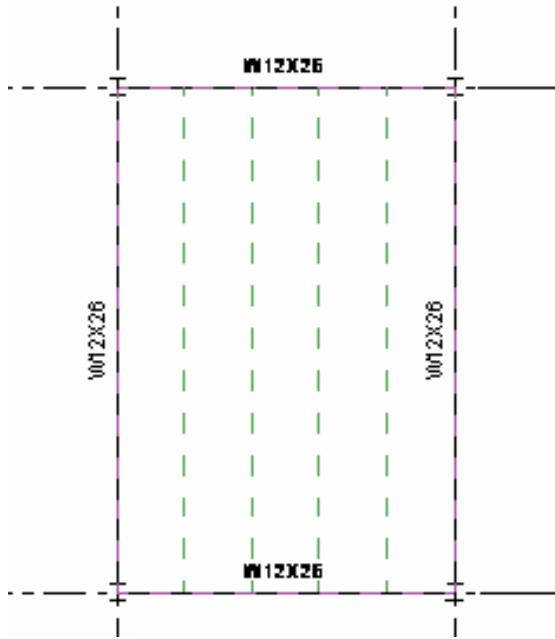
Parameter	
<b>Constraints</b>	
Geometry Offset	0' 0"
Reference Level	Level 2
Start Level Offset	-2' 0"
End Level Offset	-2' 0"

## Beam Placement Vertical



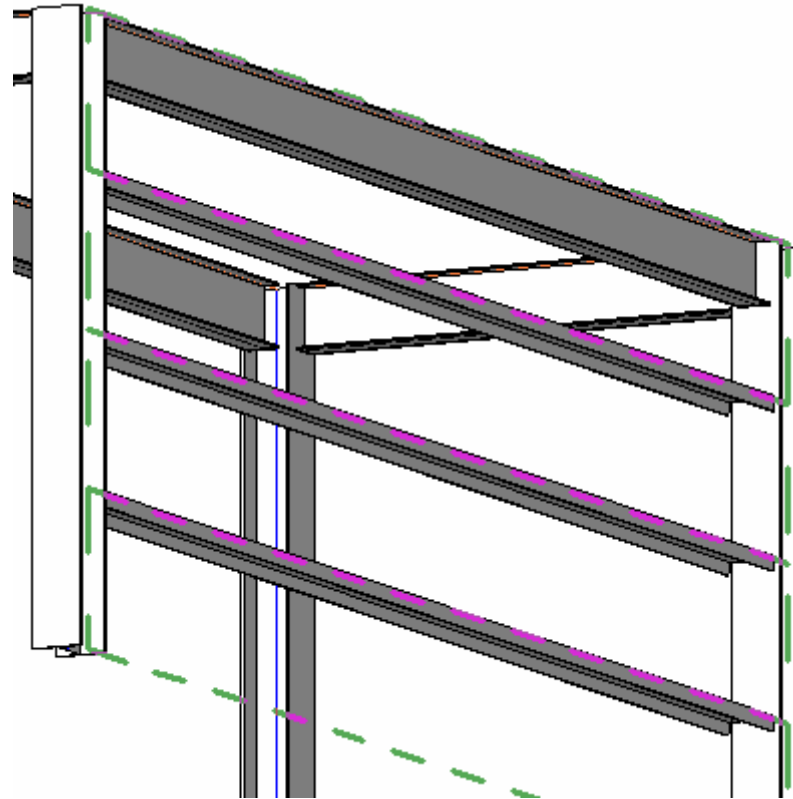
## Trace an Imported DWG

# REVIT® Structure A to Z



## Beam System Basics

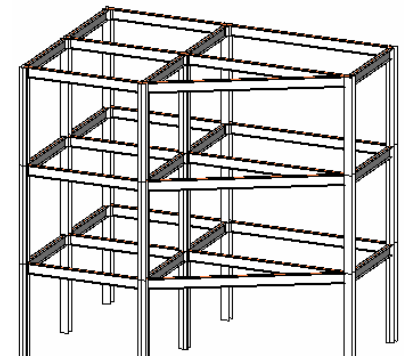
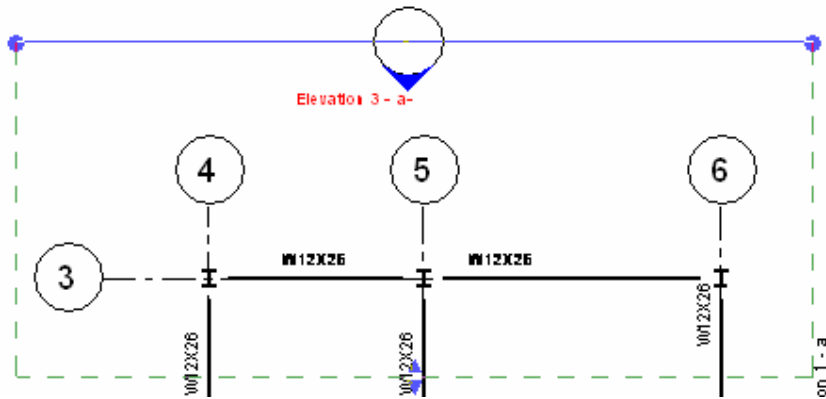
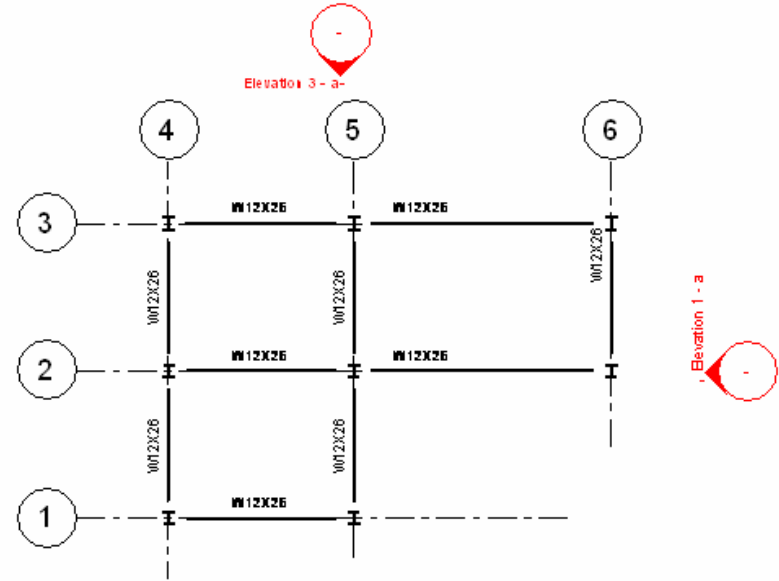
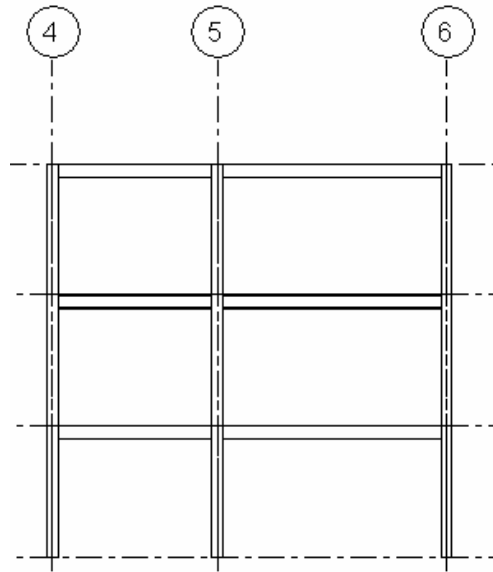
# REVIT® Structure A to Z



## Wall Girt System

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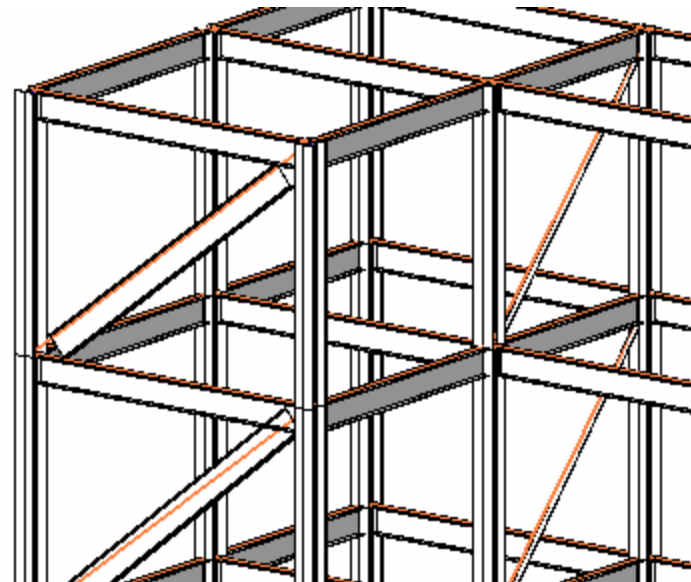
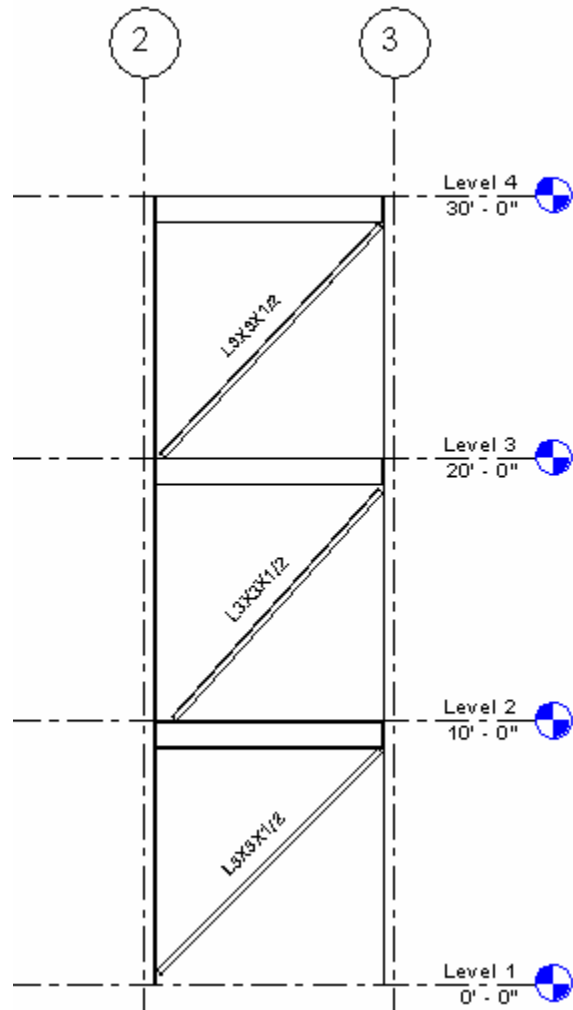
# REVIT® Structure A to Z



## Elevation Basics



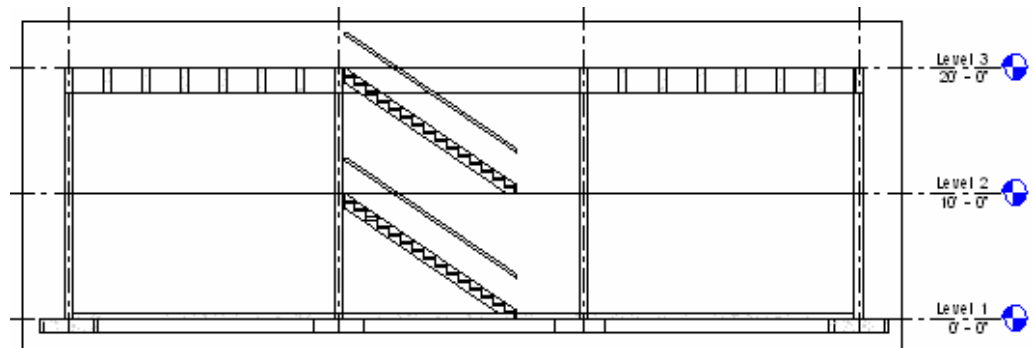
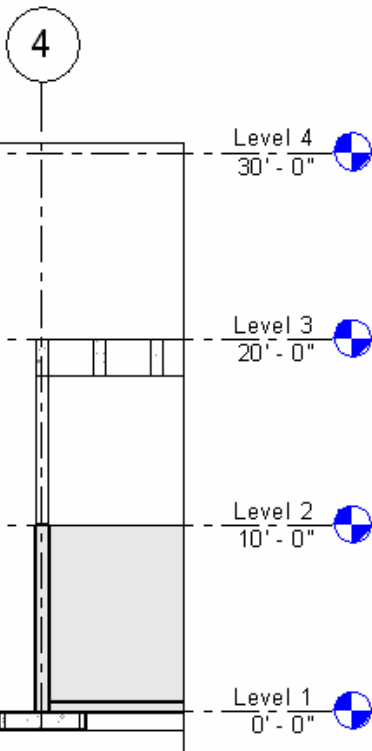
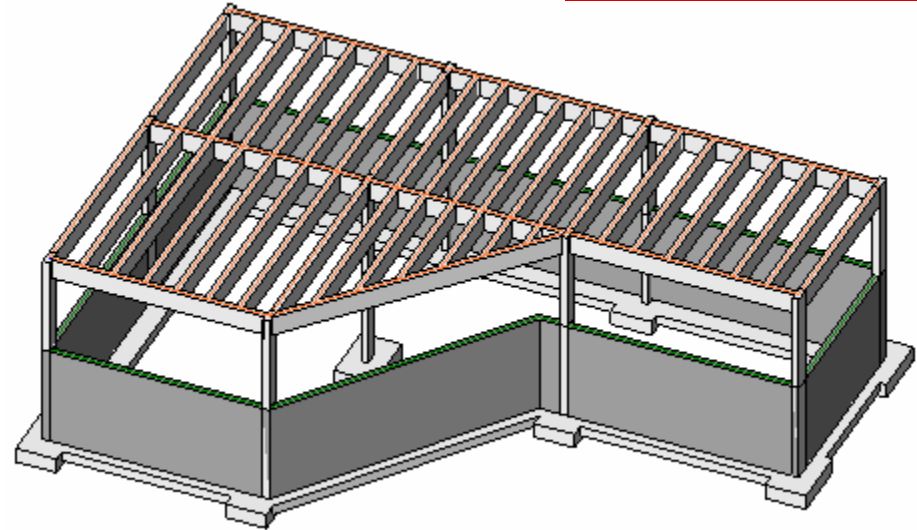
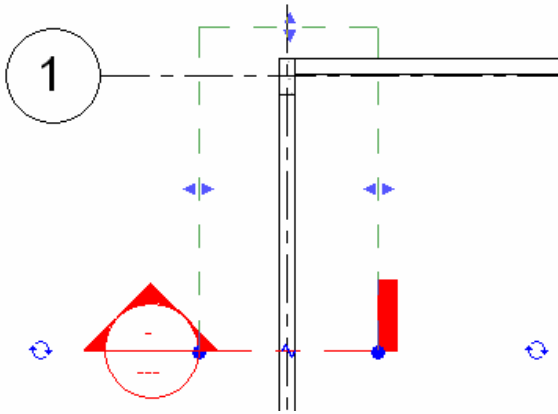
# REVIT® Structure A to Z



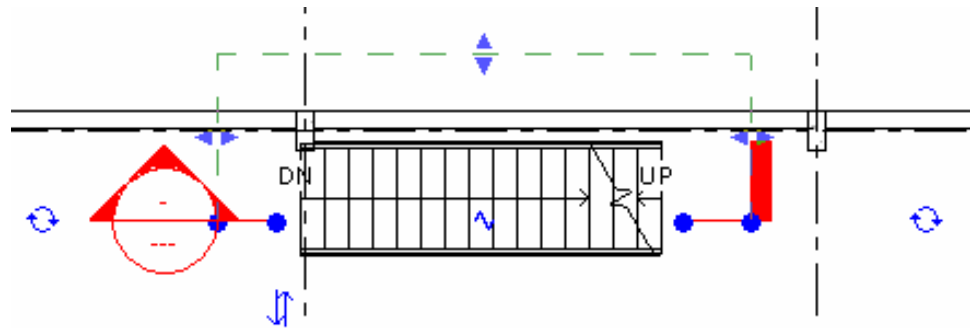
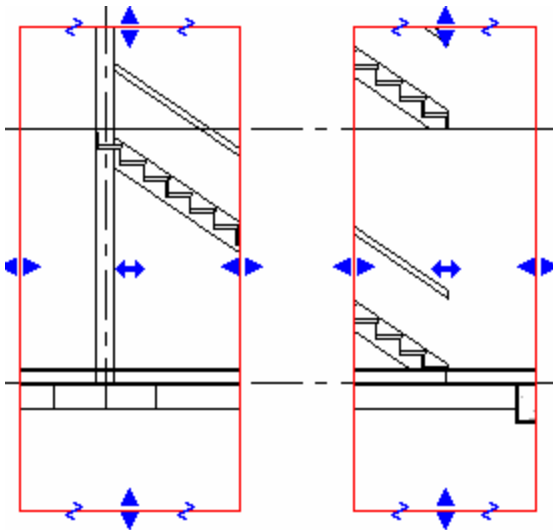
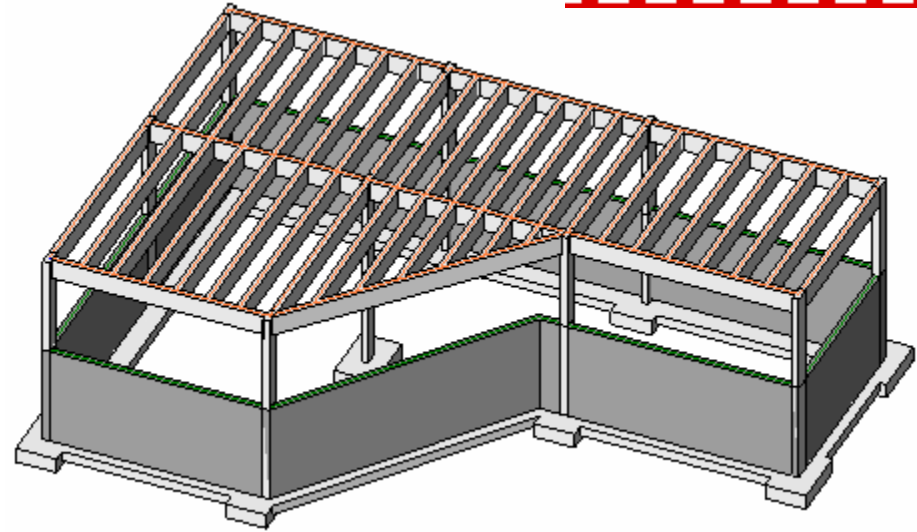
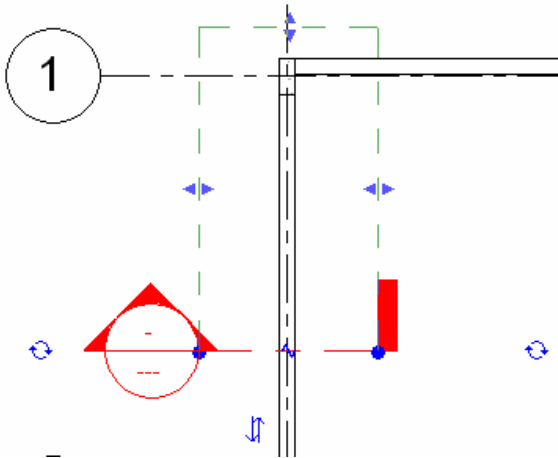
## Framing Elevations

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# REVIT® Structure A to Z

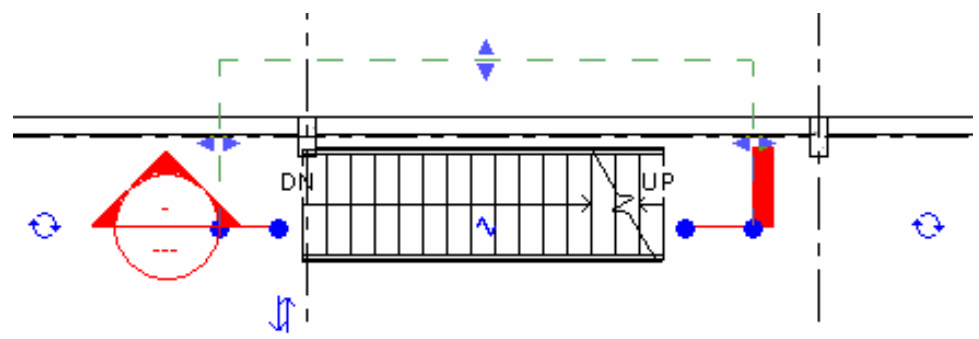
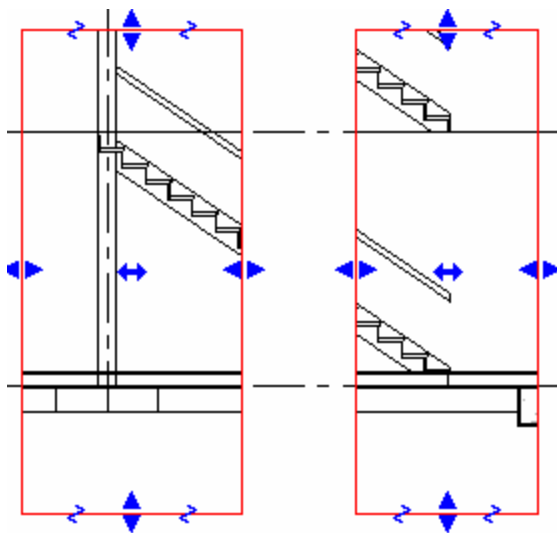
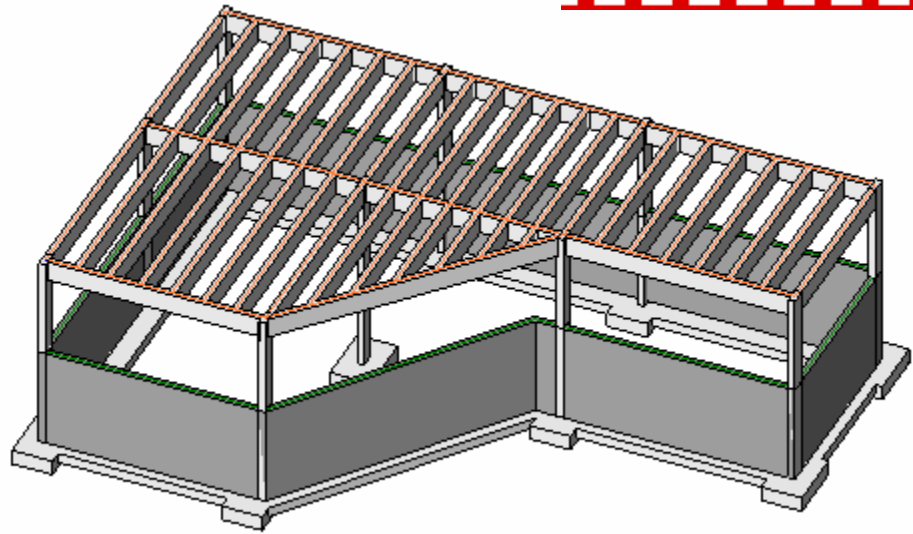
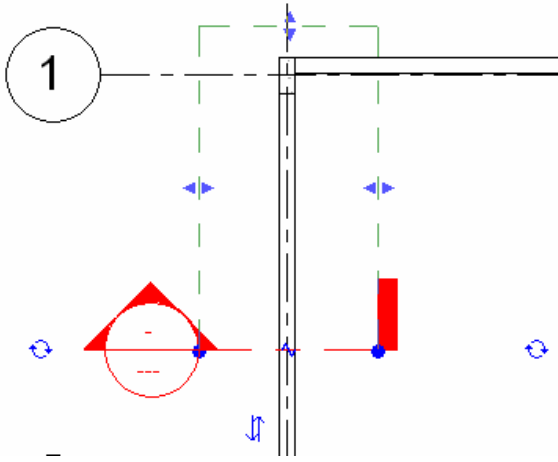


## Sections - Placement

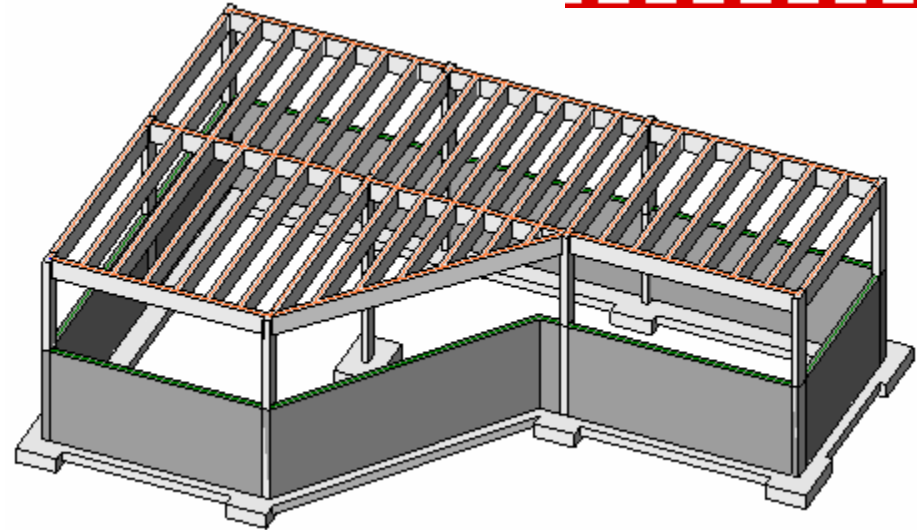
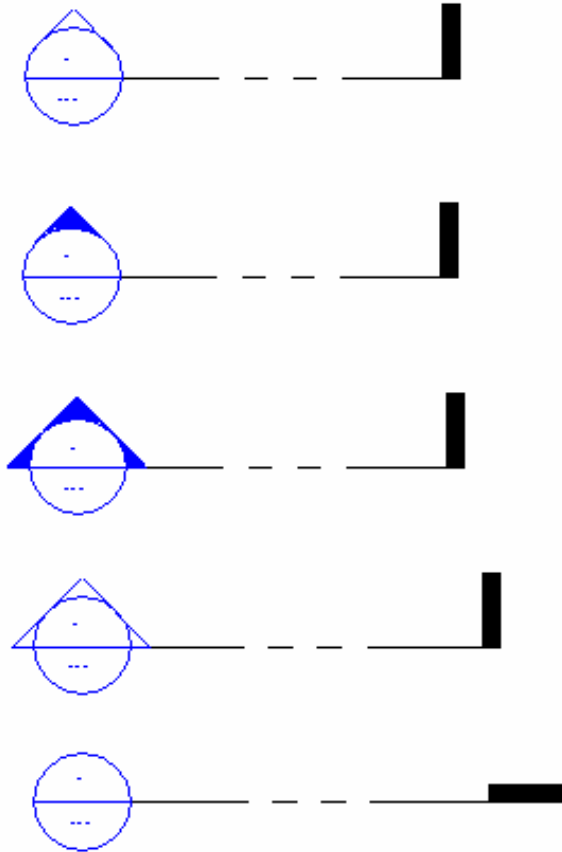


## Sections - Grips / Handles

# REVIT® Structure A to Z



## Sections - View Limits



# Sections - Display, Visibility, View Tags

# REVIT® Structure A to Z



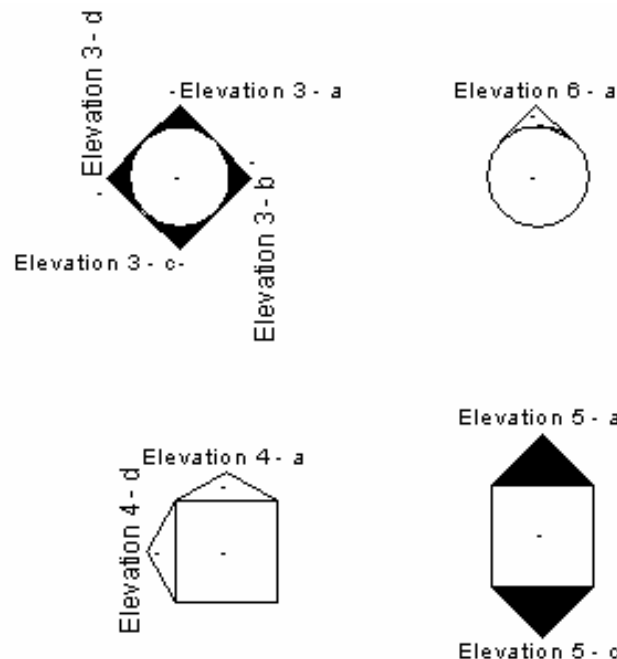
Family: System Family: Elevation Tag Load...

Type: 1/2" Square Duplicate...

Rename...

Type Parameters:

Parameter	Value
<b>Graphics</b>	
Shape	Square
Text Position	Inside
Arrow Angle	45.000°
Filled	<input checked="" type="checkbox"/>
Show View Name	<input checked="" type="checkbox"/>
View Name Position	Outside Center
Reference Label Position	Outside Right
Line Weight	1
Color	Black
Line Pattern	Solid
<b>Text</b>	
Text Font	Arial
Text Size	3/32"
<b>Dimensions</b>	
Width	1/2"



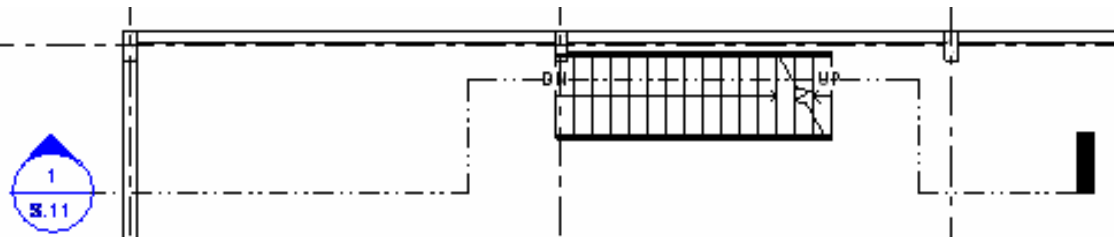
## Elevation View Tags

USE SECTIONS FOR PERMANENT DOCUMENTATION WITH ANNOTATIONS, DIMENSIONS, CALLOUTS AND DETAILING.

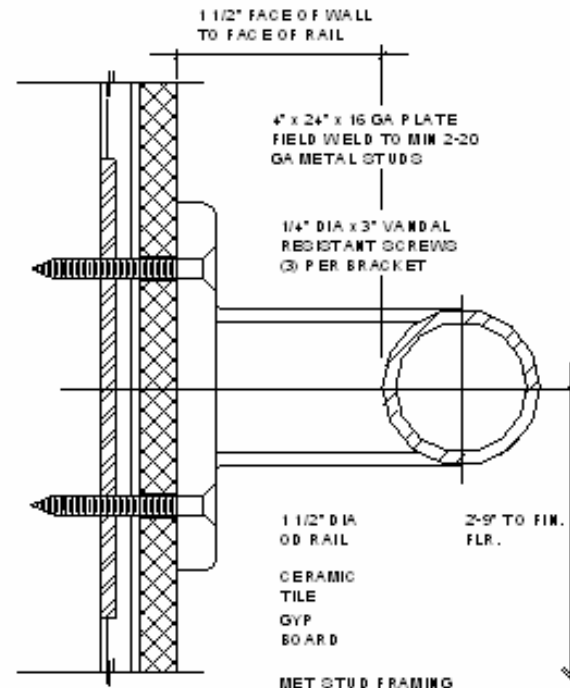
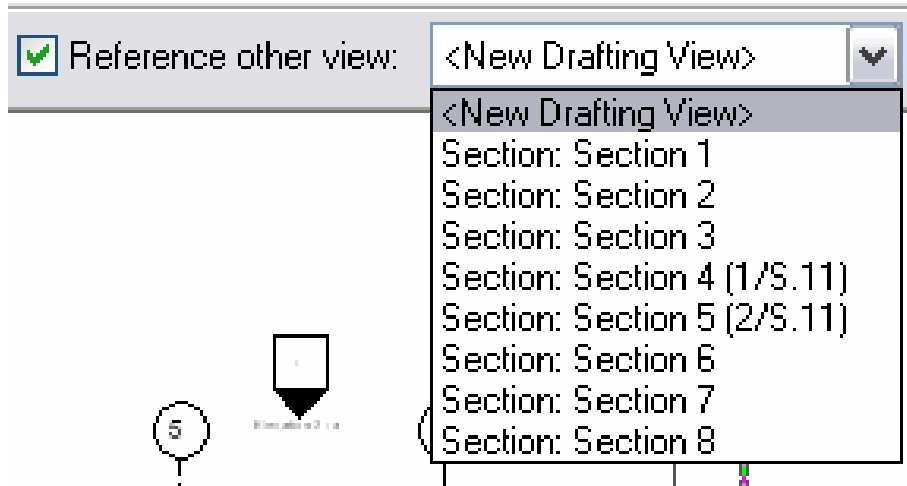
YOU SHOULD ALSO USE SECTIONS JUST TO VIEW AND GATHER INFORMATION. THEN DELETE THE SECTION. MOVE SECTIONS AROUND TO GATHER / CHECK MODEL INFORMATION

SECTION BUBBLES ARE FILLED IN / CROSS REFERENCED AFTER THEY HAVE BEEN PLACED ON A SHEET

USE SPLIT SEGMENT TOOL



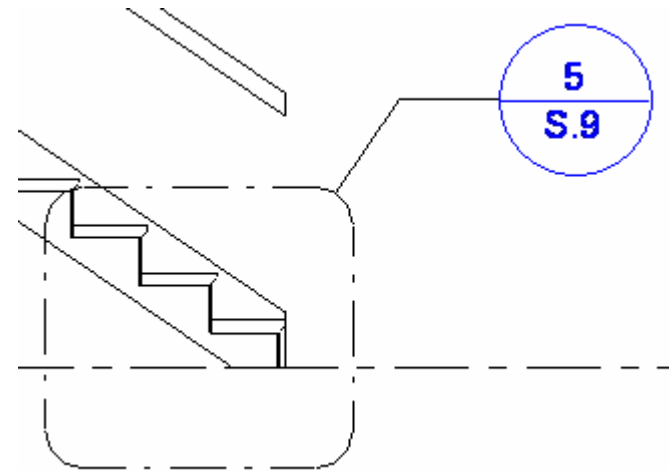
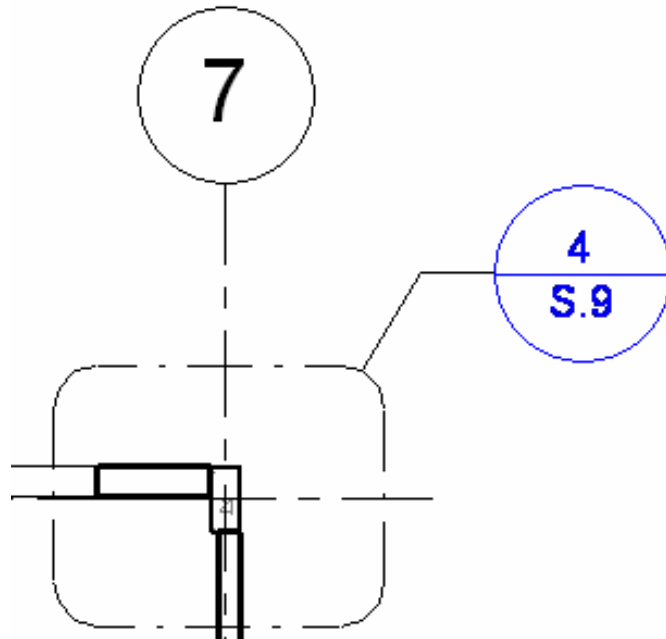
## Sections - Miscellaneous



② Section of Level 2  
1 : 1

## Sections - Reference Other View





## Callout Basics

# REVIT® Structure A to Z



THIS IS  
ALSO TEXT

THIS IS  
TEXT



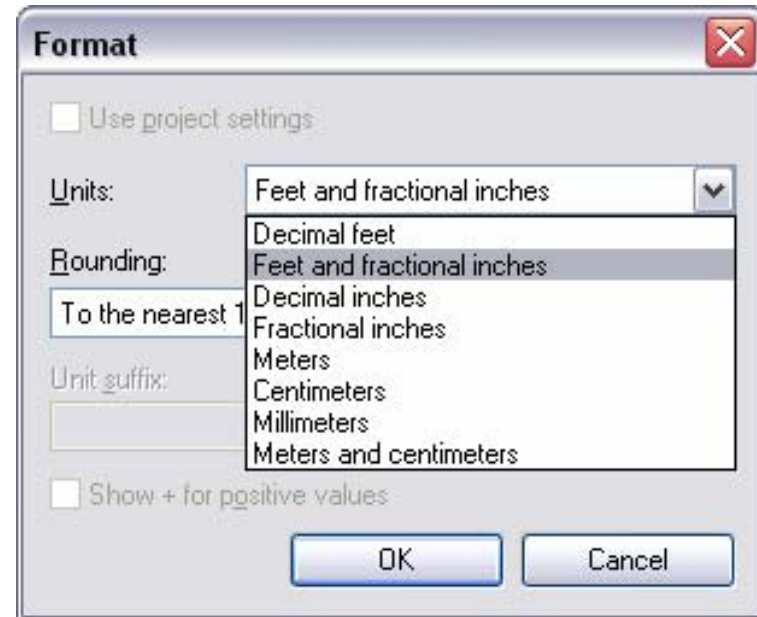
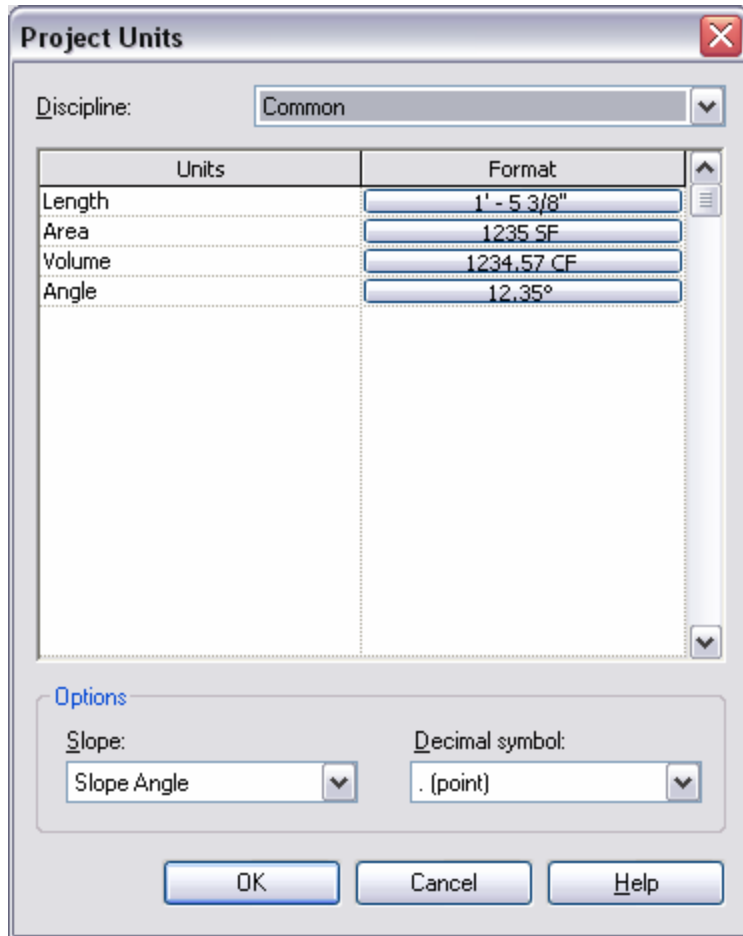
*This is text*

TEXT CAN BE  
TRANSPARENT  
OR OPAQUE

THIS IS TEXT

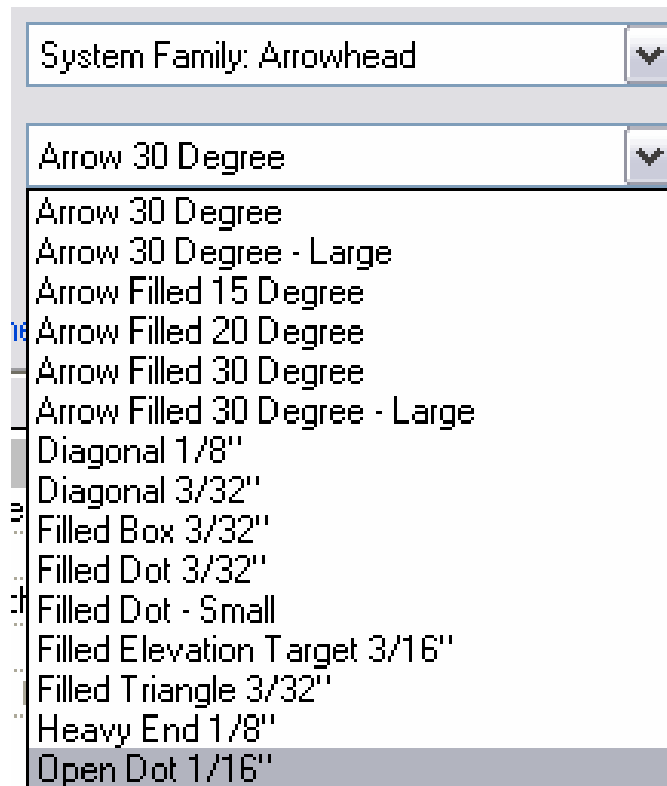
## Text

# REVIT® Structure A to Z



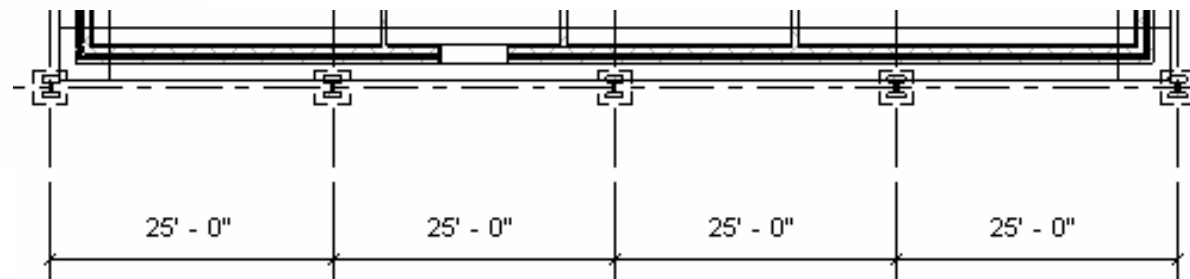
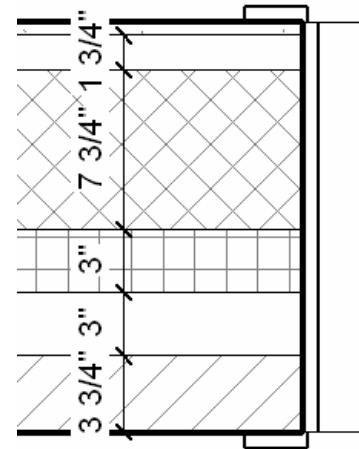
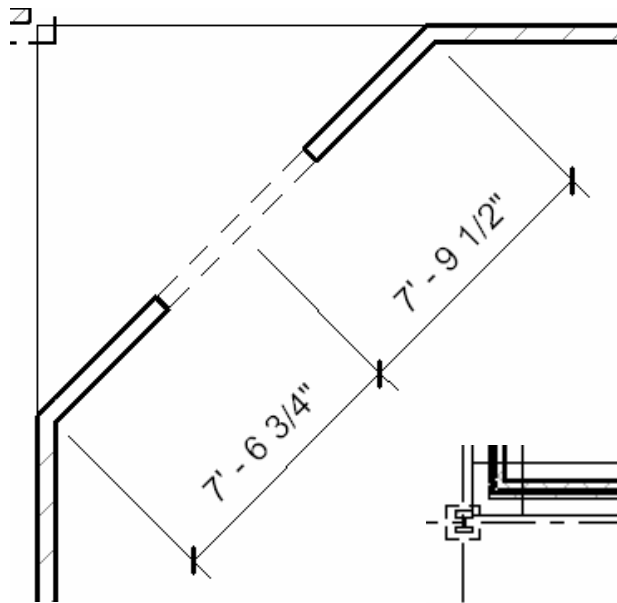
## Project Units

# REVIT® Structure A to Z



## Arrowheads

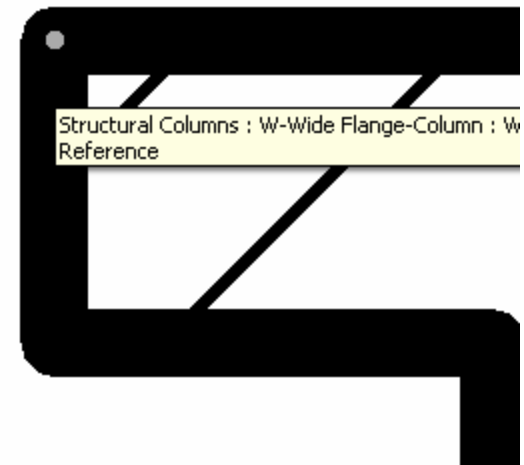
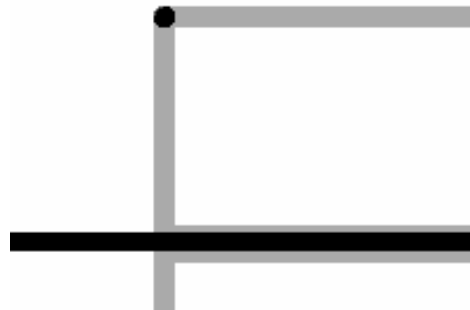
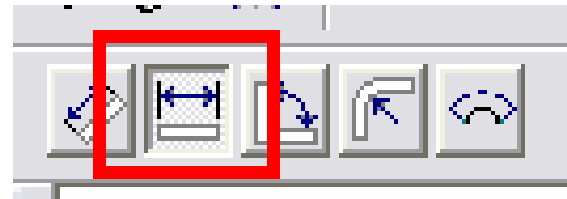
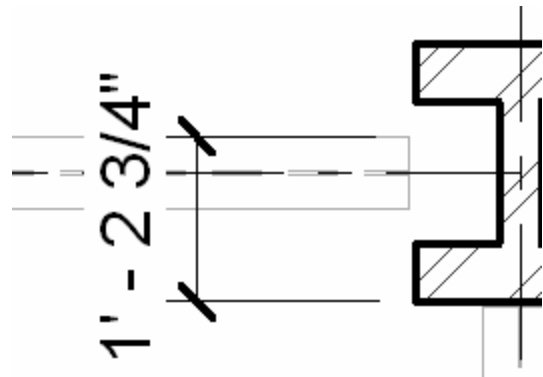
# REVIT® Structure A to Z



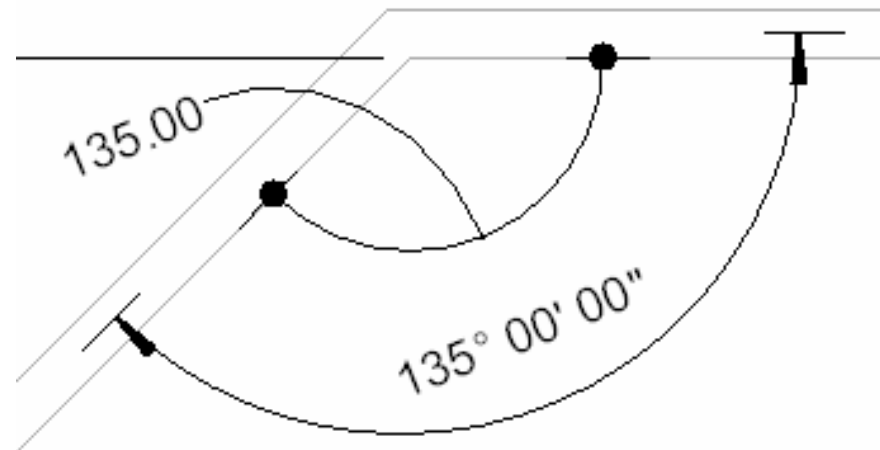
## Dimensions - Aligned

Draw the objects in  
anywhere and let the  
dimensions do the work !

Dimensions - Do the work

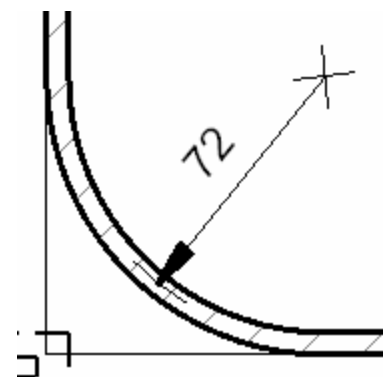
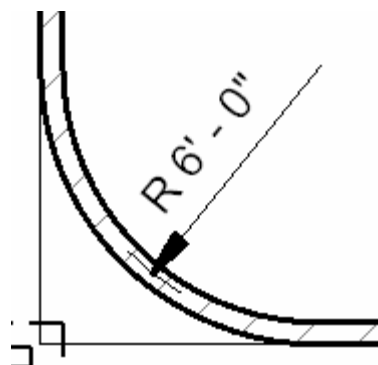


## Dimensions - Linear

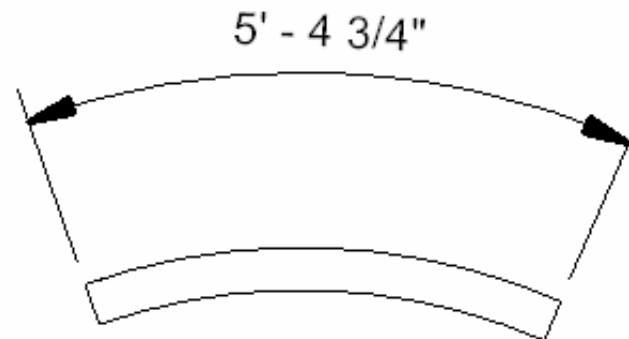
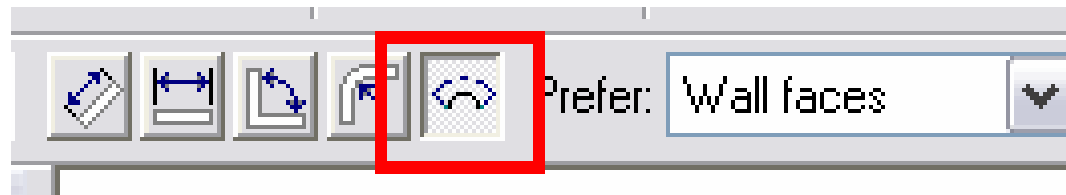


## Dimensions - Angular





## Dimensions - Radial



## Dimensions - Arc Length





# REVIT® Structure A to Z



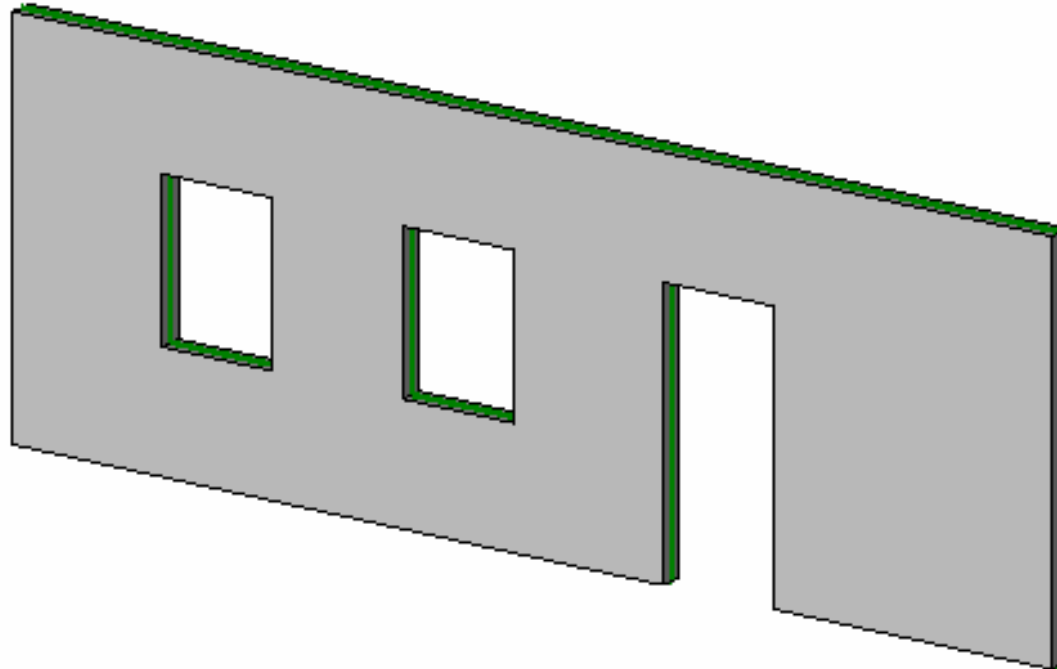
- Walls
  - Basic Wall
    - Exterior - 8" Concrete
    - Exterior - 10" Concrete
    - Exterior - Brick on CMU
    - Exterior - Brick on Mtl. Stud
    - Foundation - 12" Concrete
    - Generic - 6"
    - Generic - 6" Masonry
    - Generic - 8"
    - Generic - 8" Masonry
    - Generic - 12"
    - Generic - 12" Masonry
    - Retaining - 12" Concrete
  - Curtain Wall
    - Curtain Wall
  - Stacked Wall
    - Exterior - 8" Over 10" Concrete Wall



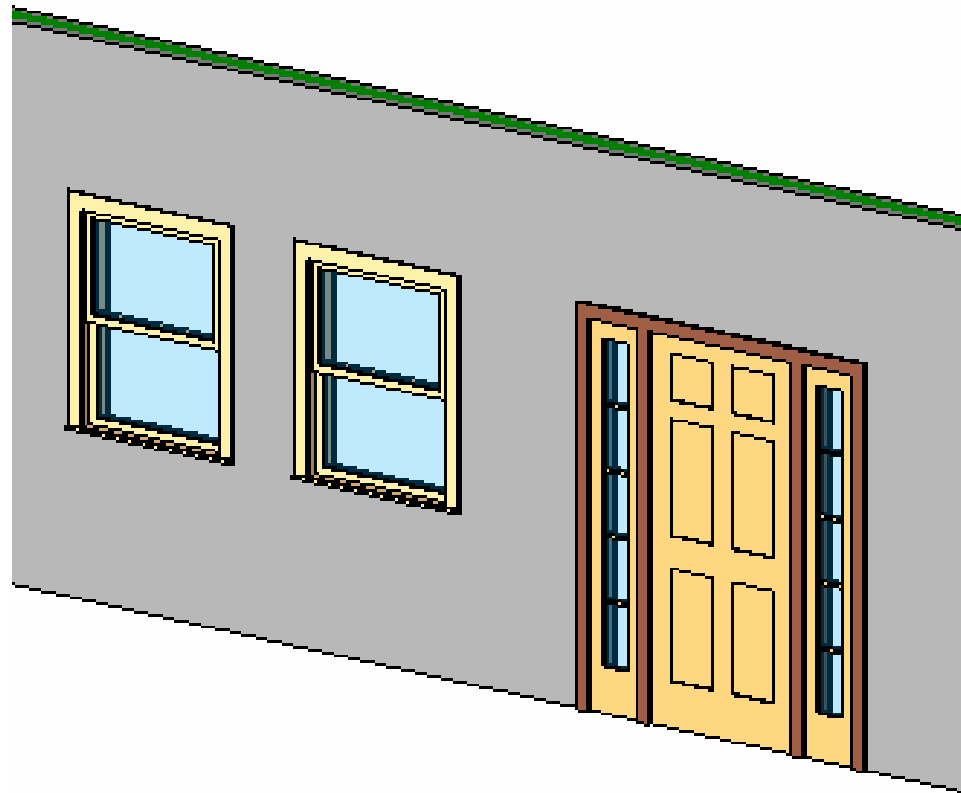
Basic Wall : Exterior - 8" Concrete [dropdown] [icon] [icon] [icon] [icon] Height: [dropdown] Level 2 [dropdown]

Loc Line: Wall Centerlin [dropdown] [checkbox checked] Chain [icon] [icon] [icon] [icon] Offset: 0' 0" [checkbox] Radius: 1' 0"

## Wall Basics



# Structural Window and Door Openings



# Architectural Windows and Doors

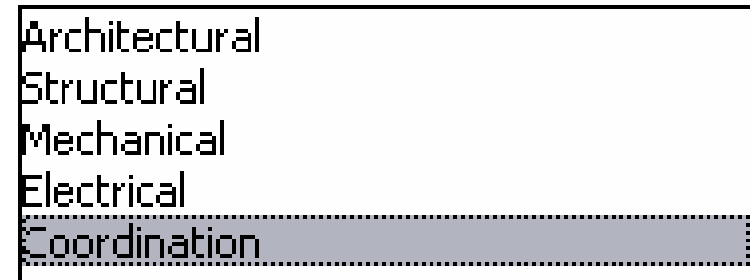
# REVIT® Structure A to Z



## Wall Structural Property



## View Discipline Property



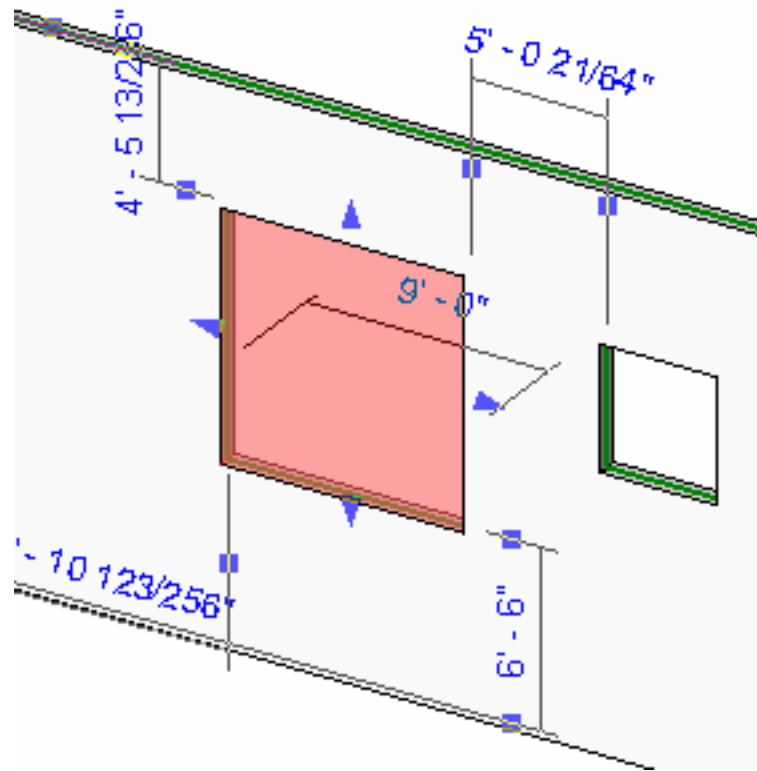
**View Discipline:** Options are Architectural, Structural, or Coordination.

Coordination combines both Architectural and Structural.

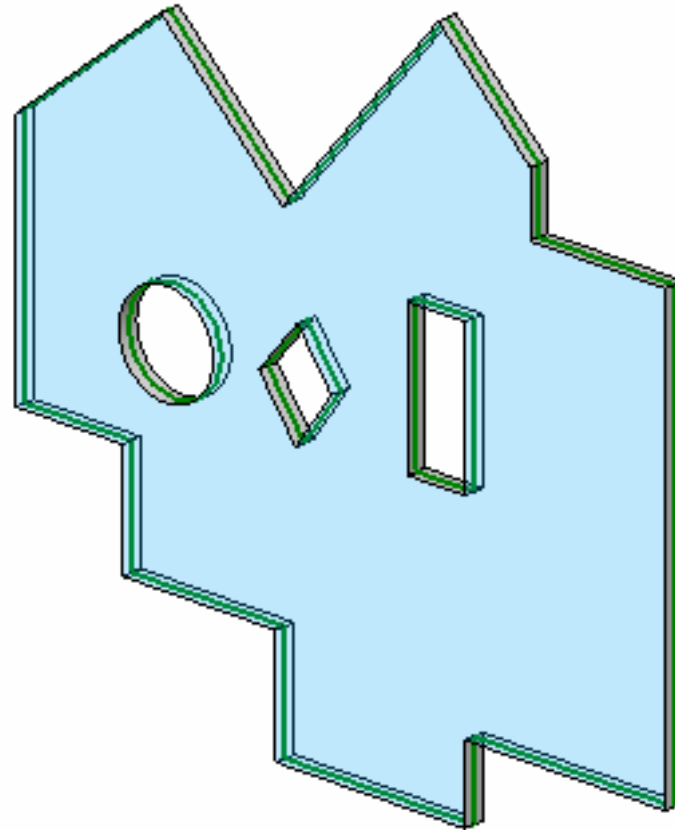
Select Structural to hide (non-load-bearing) walls from the view.

## View Discipline and Wall Structural Usage

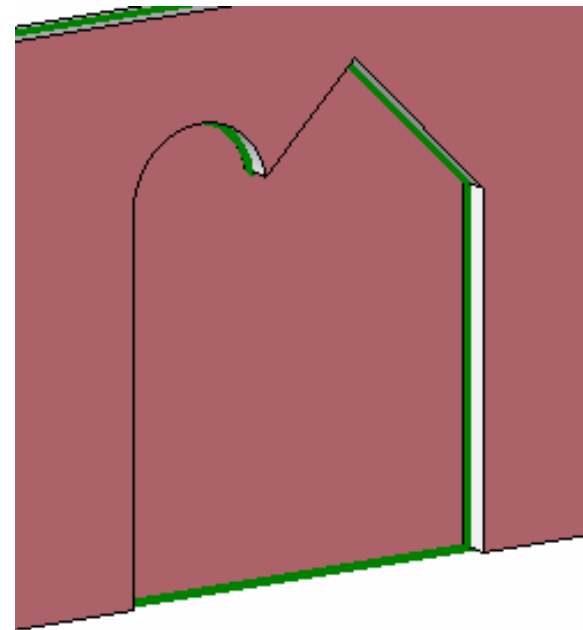
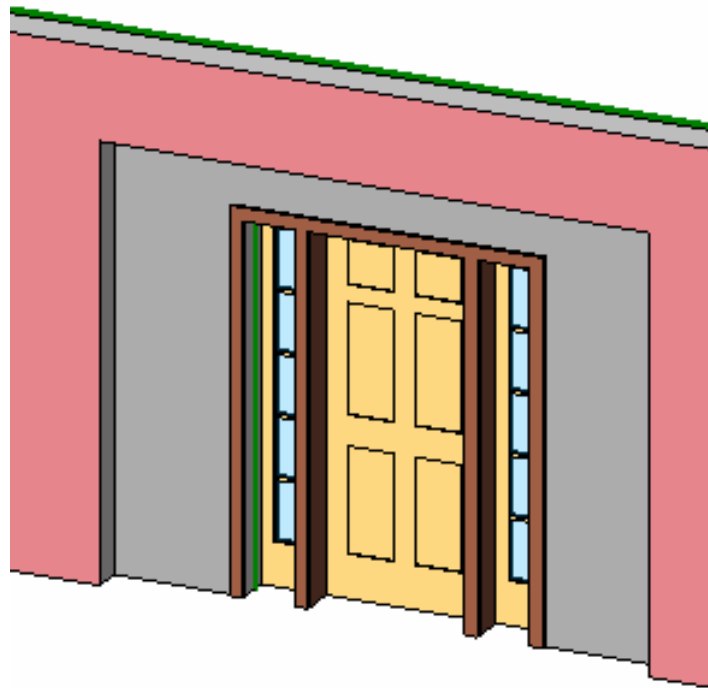




## Model Openings

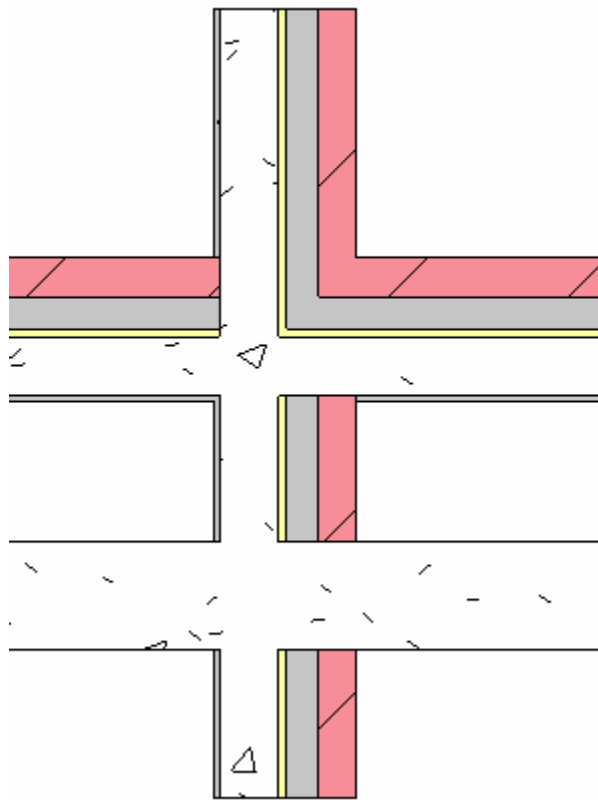


## Edit Wall Profile



## Wall Cut Geometry

# REVIT® Structure A to Z



Layers

EXTERIOR SIDE

	Function	Material	Thickness	Wra
1	Finish 1 [4]	Masonry - Brick	0' 3 5/8"	<input checked="" type="checkbox"/>
2	Thermal/Air Layer [3]	Misc. Air Layers -	0' 3"	<input checked="" type="checkbox"/>
3	Membrane Layer	Air Barrier - Air In	0' 0"	<input checked="" type="checkbox"/>
4	Substrate [2]	Wood - Sheathing	0' 0 3/4"	<input checked="" type="checkbox"/>
5	<b>Core Boundary</b>	<b>Layers Above Wr</b>	<b>0' 0"</b>	
6	Structure [1]	Concrete - Cast-i	0' 5 1/2"	<input type="checkbox"/>
7	<b>Core Boundary</b>	<b>Layers Below Wra</b>	<b>0' 0"</b>	
8	Membrane Layer	Vapor / Moisture	0' 0"	<input checked="" type="checkbox"/>
9	Finish 2 [5]	Finishes - Interior	0' 0 1/2"	<input checked="" type="checkbox"/>

INTERIOR SIDE

## Wall Cleanup Penetration Process

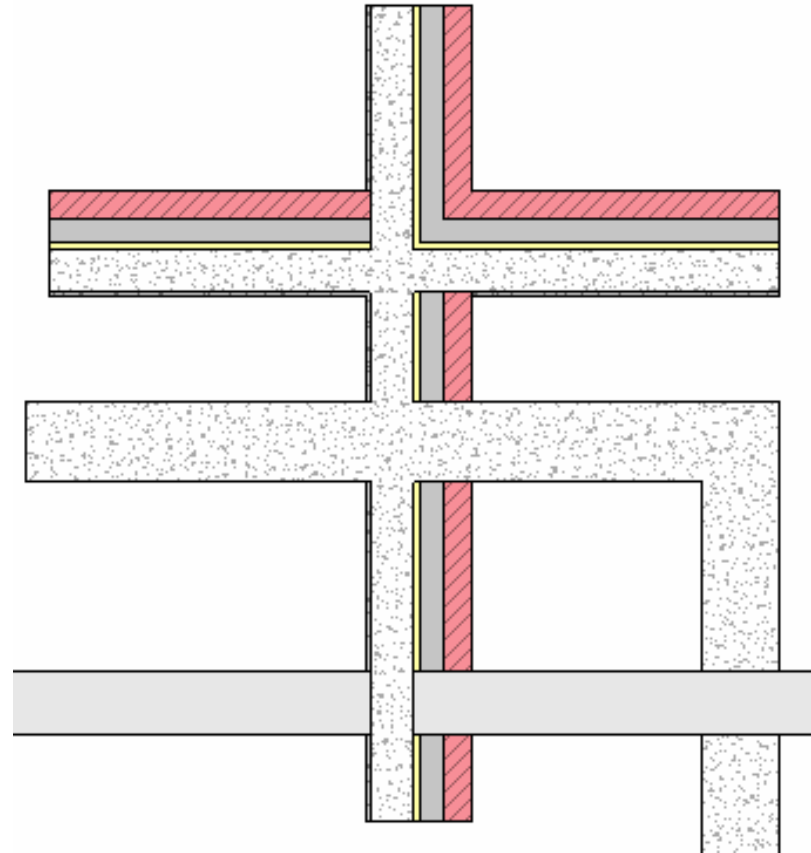
1. Compares all intersecting Layers inside 'Core' .
    - a) Compares the 'Function' priorities.
  2. Compares all intersecting NON 'Core' Layers.
    - a) Compares 'function' priorities.
- \* Function [1] is Top and [5] is lowest
3. Cleans up intersecting 'seem lines' of similar material.

Use 'Join Geometry'

## Wall Cleanup Theory

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# REVIT® Structure A to Z



## Wall Cleanup Demo

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# REVIT® Structure A to Z



- Interior
- Exterior
- Foundation
- Retaining
- Soffit

### Edit Assembly

Family: Basic Wall  
 Type: Exterior - Brick on Mtl. Stud  
 Total thickness: 1' 2 3/4"      Sample Height: 5' 0"

**Layers**

EXTERIOR SIDE			
	Function	Material	Thickness
1	Finish 1 [4]	Masonry - Brick	0' 4"
2	Thermal/Air Layer [3]	Misc. Air Layers - Air	0' 3"
3	Membrane Layer	Air Barrier - Air Infil	0' 0"
4	Substrate [2]	Wood - Sheathing -	0' 0 3/4"
5	<b>Core Boundary</b>	<b>Layers Above Wrap</b>	<b>0' 0"</b>
6	Structure [1]	Concrete - Cast-in-P	0' 6 1/2"
7	<b>Core Boundary</b>	<b>Layers Below Wrap</b>	<b>0' 0"</b>
8	Membrane Layer	Vapor / Moisture Bar	0' 0"
9	Finish 2 [5]	Finishes - Interior -	0' 0 1/2"

**INTERIOR SIDE**

- Basic Wall : Exterior - Brick on Mtl. Stud
- Basic Wall : Exterior - 8" Concrete
- Basic Wall : Exterior - 10" Concrete
- Basic Wall : Exterior - Brick on CMU
- Basic Wall : Exterior - Brick on Mtl. Stud
- Basic Wall : Foundation - 12" Concrete
- Basic Wall : Generic - 6"
- Basic Wall : Generic - 6" Masonry
- Basic Wall : Generic - 8"
- Basic Wall : Generic - 8" Masonry
- Basic Wall : Generic - 8" Masonry + Furring in Core
- Basic Wall : Generic - 8" Masonry + Furring out Core
- Basic Wall : Generic - 12"
- Basic Wall : Generic - 12" Masonry
- Basic Wall : Retaining - 12" Concrete
- Curtain Wall
- Stacked Wall : Exterior - 8" Over 10" Concrete Wall

## Wall Type Structure

# REVIT® Structure A to Z



Export Layers: C:\Program Files\Autodesk Revit Structure 4\Data\exportla

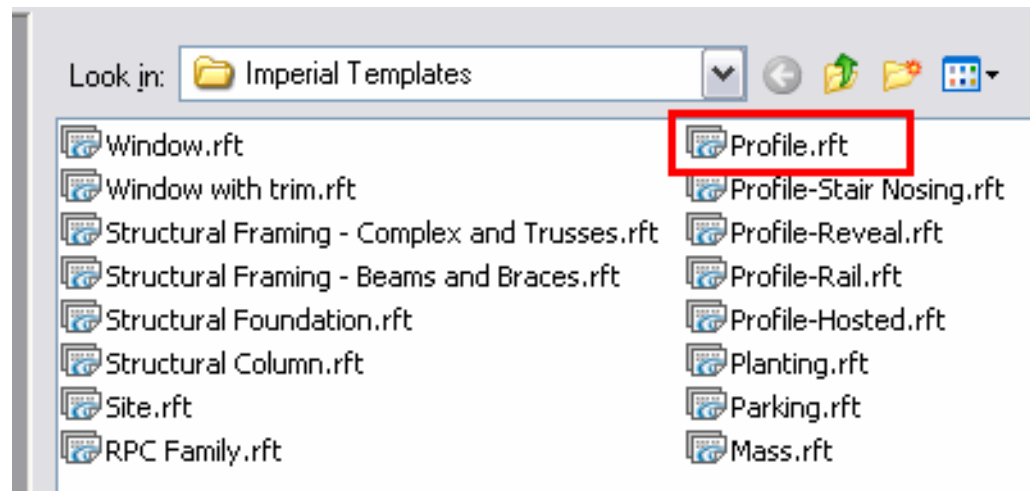
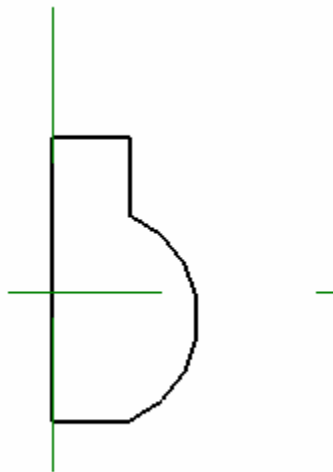
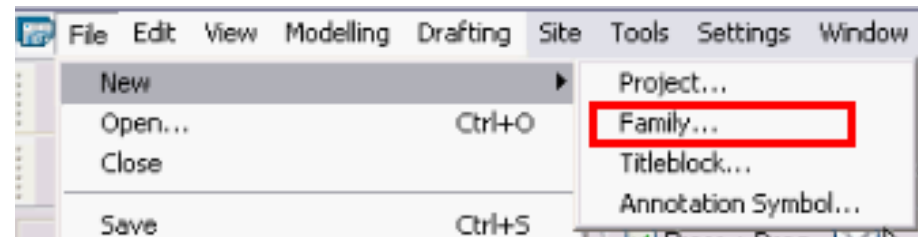
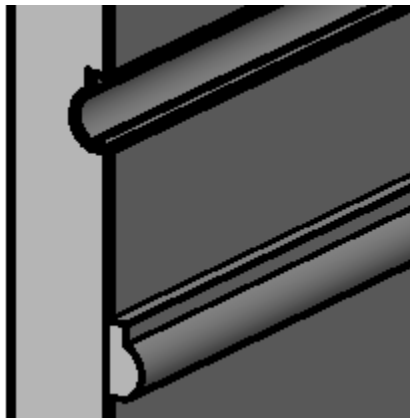
Category	Projection		Cut	
	Layer name	Color ID	Layer name	
<b>View Titles</b>	G-ANNO-TTLB	6		
<b>Viewports</b>	A-ANNO-NPLT	5		
<b>Wall Tags</b>	A-WALL-IDEN	4		
<b>Walls</b>	A-WALL	2	A-WALL	2
Analytical Model	{A-WALL}	2	{A-WALL}	2
Common Edges	{A-WALL}	2	{A-WALL}	2
Curtain Wall Grids	A-GLAZ-GRID	2	A-GLAZ-GRID	2
Cut Pattern	A-WALL-PATT	2	A-WALL-PATT	2
Finish 1 [4]	{A-WALL}	2	{A-WALL}	2
Finish 2 [5]	{A-WALL}	2	{A-WALL}	2
Hidden Lines	A-WALL-HIDN	2	A-WALL-HIDN	2
Membrane Layer	{A-WALL}	2	{A-WALL}	2
Structure [1]	{A-WALL}	2	{A-WALL}	2
Substrate [2]	{A-WALL}	2	{A-WALL}	2
Surface Pattern	A-WALL-PATT	2	A-WALL-PATT	2
Thermal/Air Layer [	{A-WALL}	2	{A-WALL}	2
Wall Sweep - Trim	{A-WALL}	2	{A-WALL}	2
<b>Walls/Interior</b>	I-WALL	2	I-WALL	2
<b>Walls/Exterior</b>	A-WALL	2	A-WALL	2
<b>Walls/Foundation</b>	S-FNDN	2	S-FNDN	2
<b>Walls/Retaining</b>	SITE-WALL	2	SITE-WALL	2

Interior
Exterior
Foundation
Retaining
Soffit

Thanks Wes!

## Wall Function

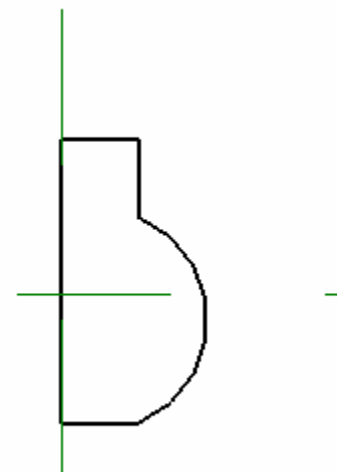
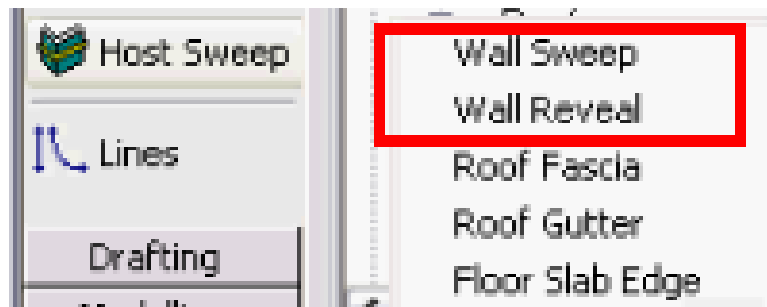
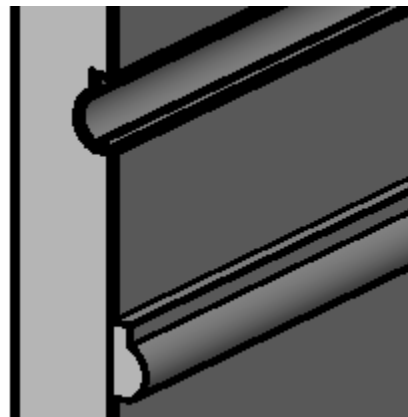
# REVIT® Structure A to Z



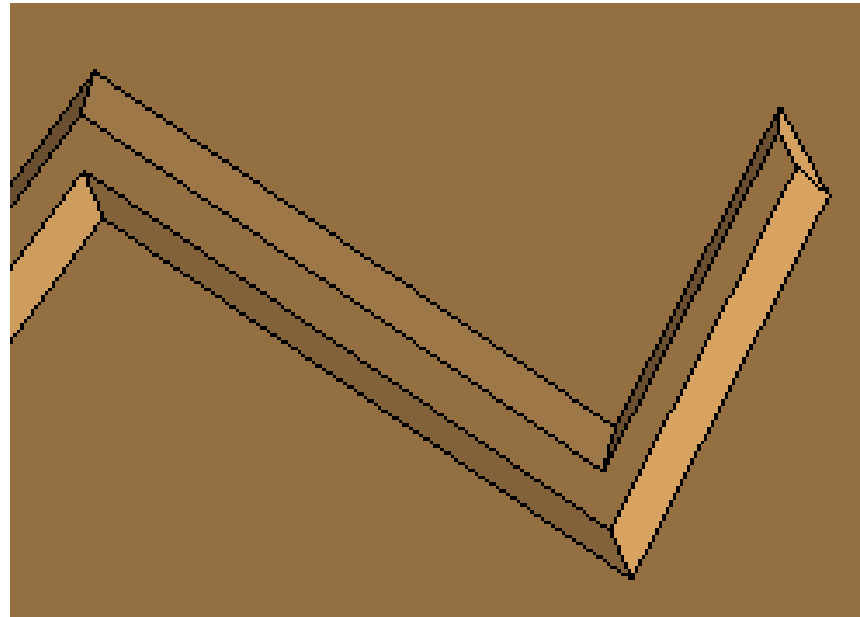
## Profile Family



# REVIT® Structure A to Z

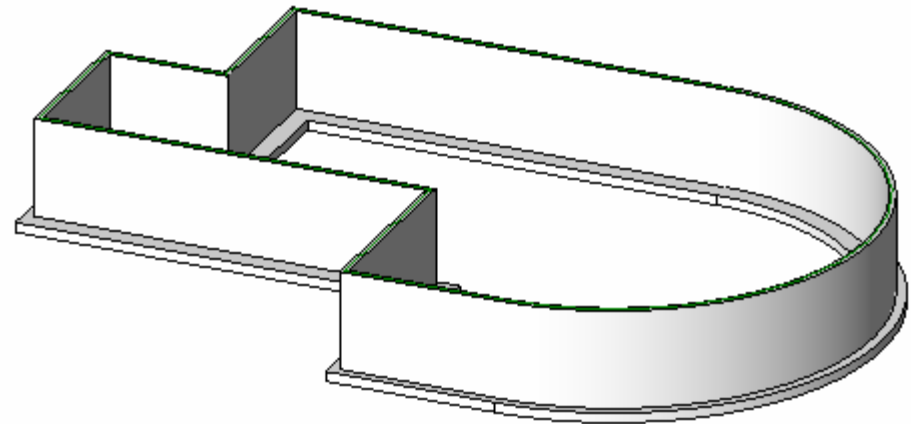
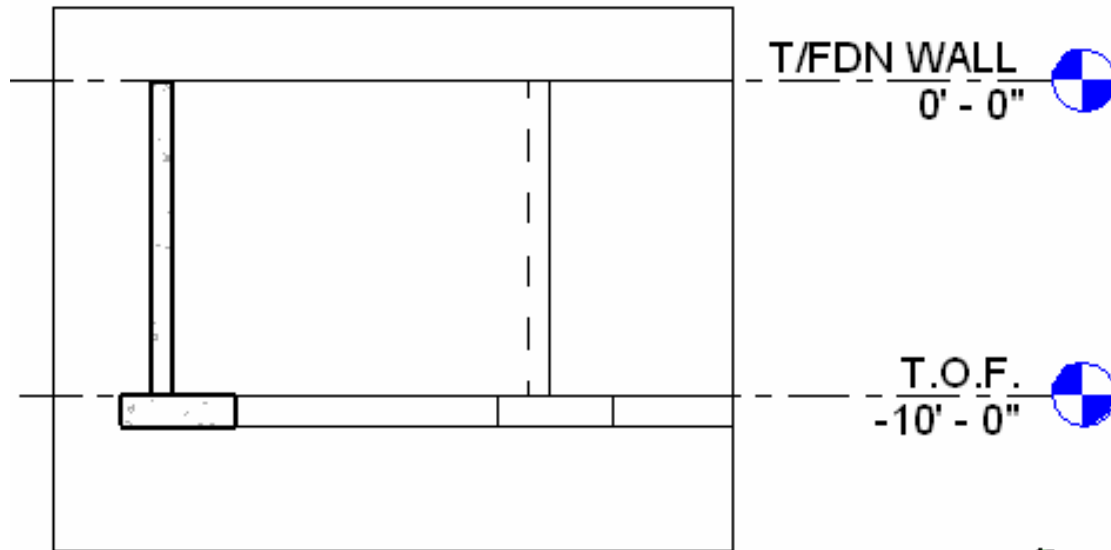


## Wall Sweep and Reveal

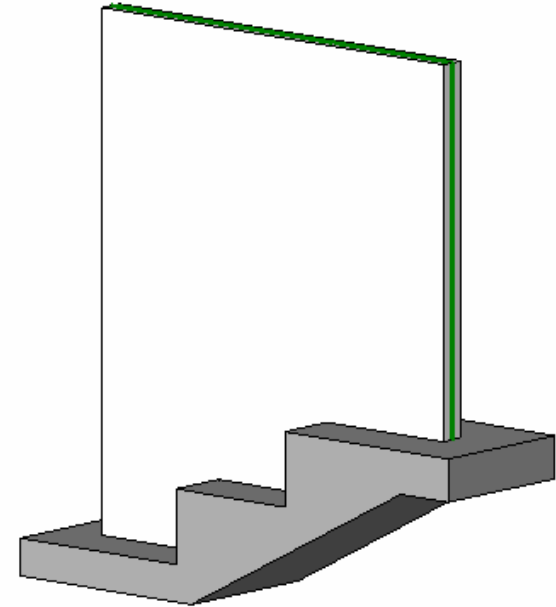
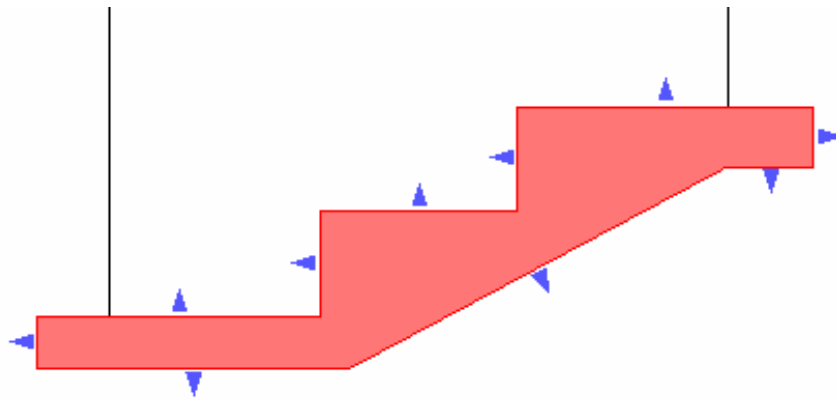


## Diagonal Wall Reveals

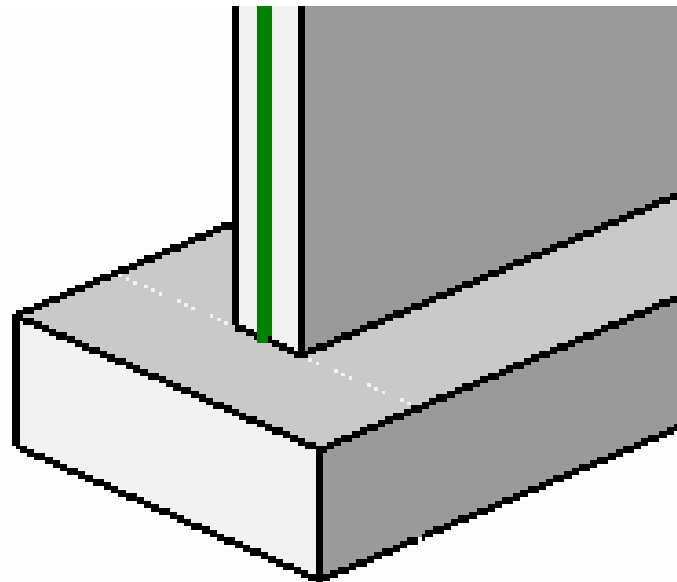
# REVIT® Structure A to Z



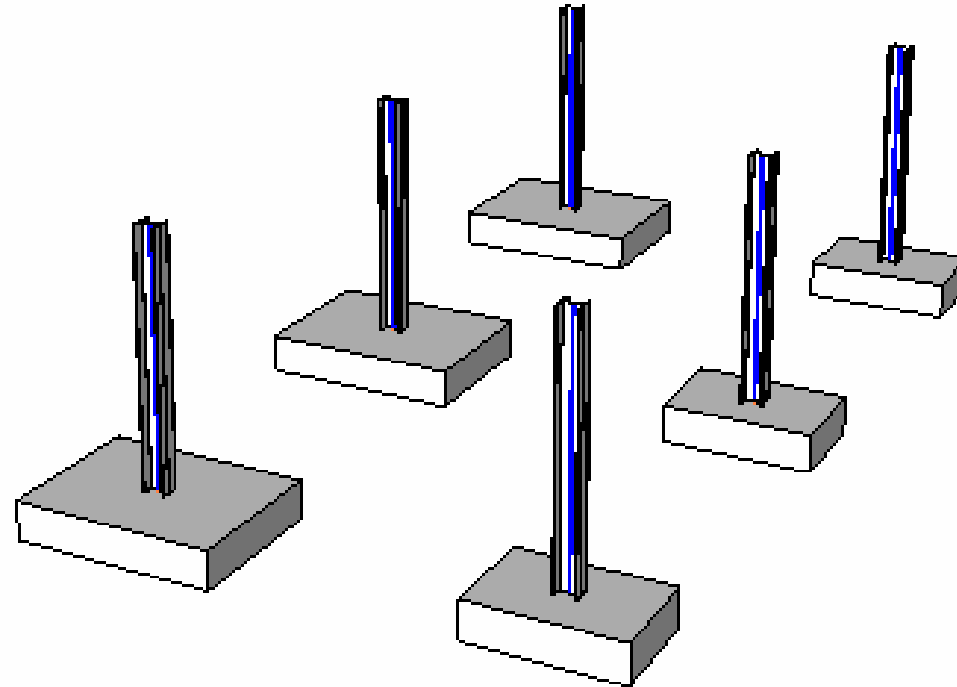
## Basic Wall Footings



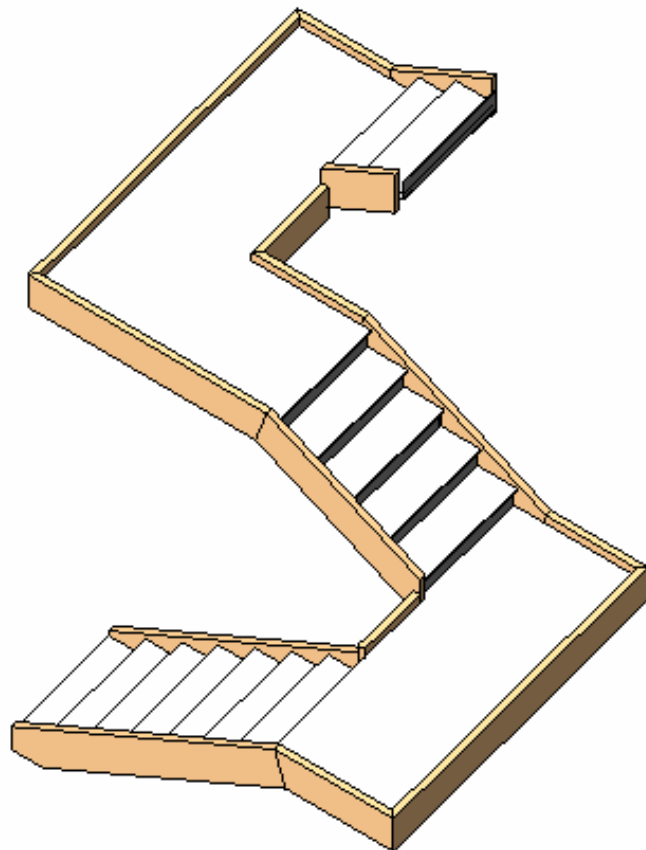
## Stepped Footing



## Footing Return



## Footing Pad

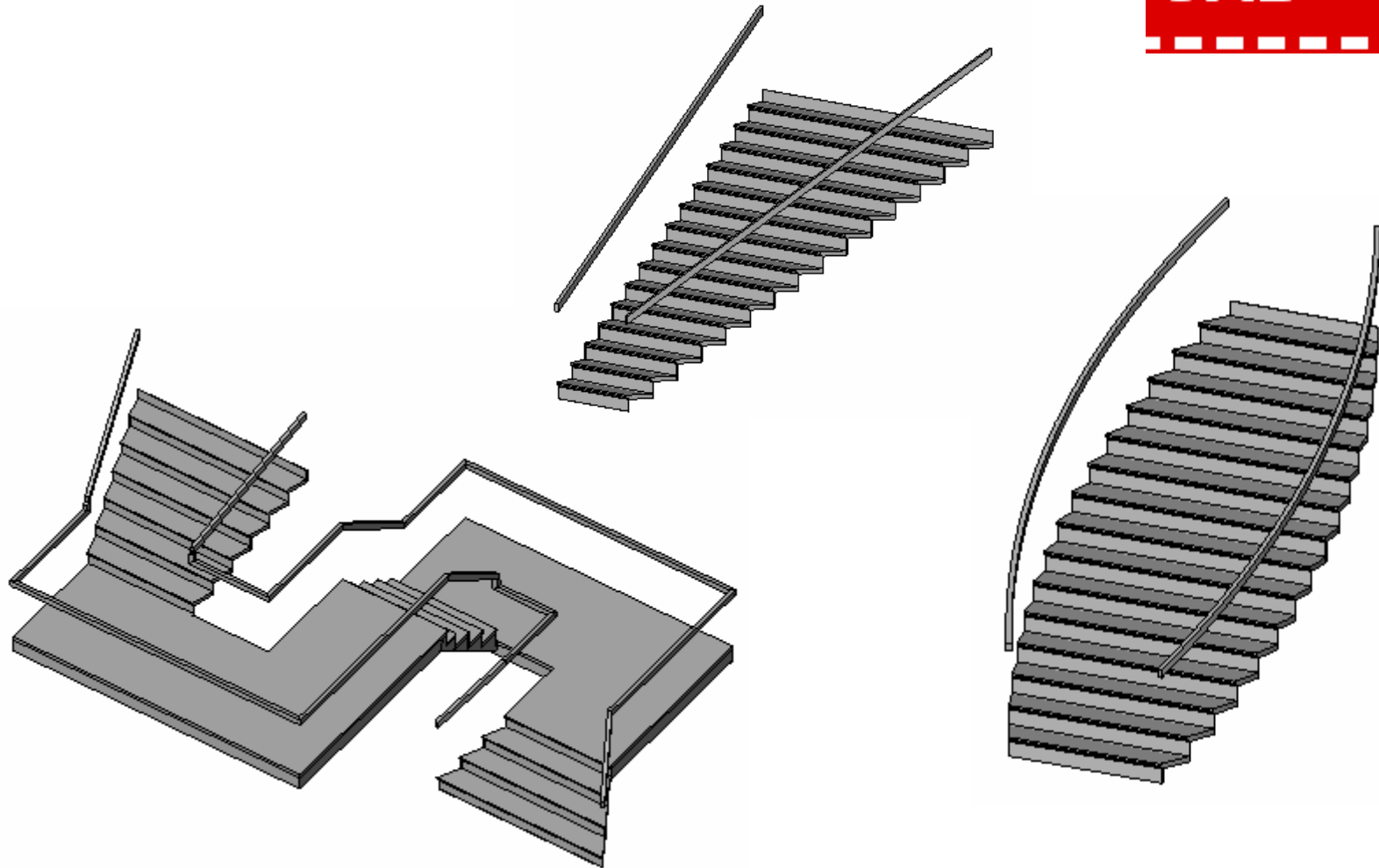


Type Parameters:

Parameter	Value
<b>Materials and Finishes</b>	
Tread Material	Metal - Paint Finish - Ivory,Matte
Riser Material	<By Category>
Stringer Material	Wood - Birch
Monolithic Material	<By Category>
<b>Treads</b>	
Minimum Tread Depth	0' 11"
Tread Thickness	0' 2"
Nosing Length	0' 1"
Nosing Profile	Stair Nosing - Pan : Stair Nosing -
Apply Nosing Profile	Front Only
<b>Risers</b>	
Maximum Riser Height	0' 7"
Begin with Riser	<input checked="" type="checkbox"/>
End with Riser	<input checked="" type="checkbox"/>
Riser Type	Straight
Riser Thickness	0' 0 1/4"
Riser to Tread Connection	Extend Riser Behind Tread
<b>Stringers</b>	
Trim Stringers at Top	Do not trim
Right Stringer	Closed
Left Stringer	Closed
Middle Stringers	n

## Stair Basics

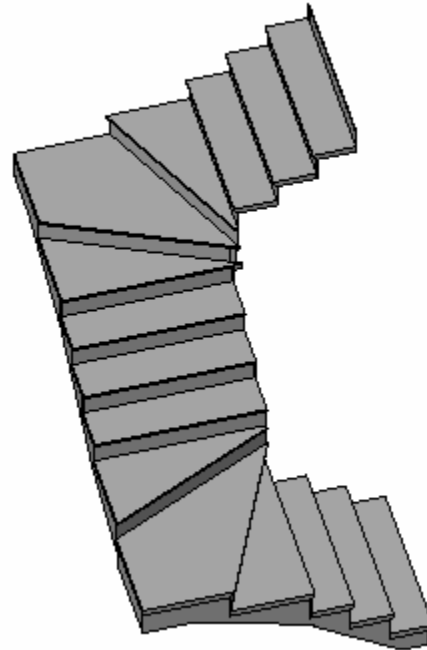
# REVIT® Structure A to Z



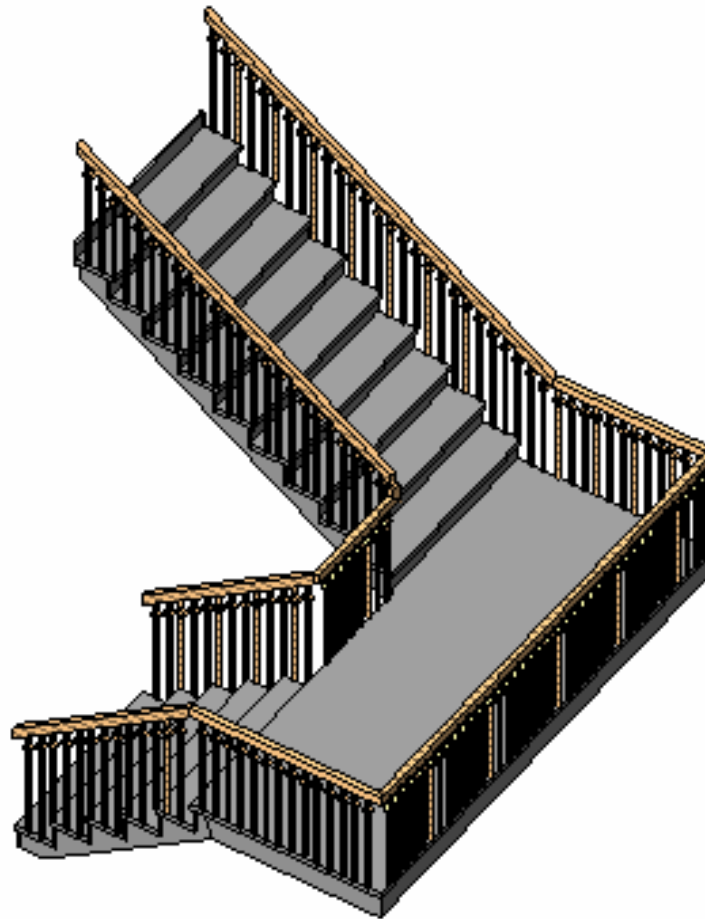
## Stair - Edit Run

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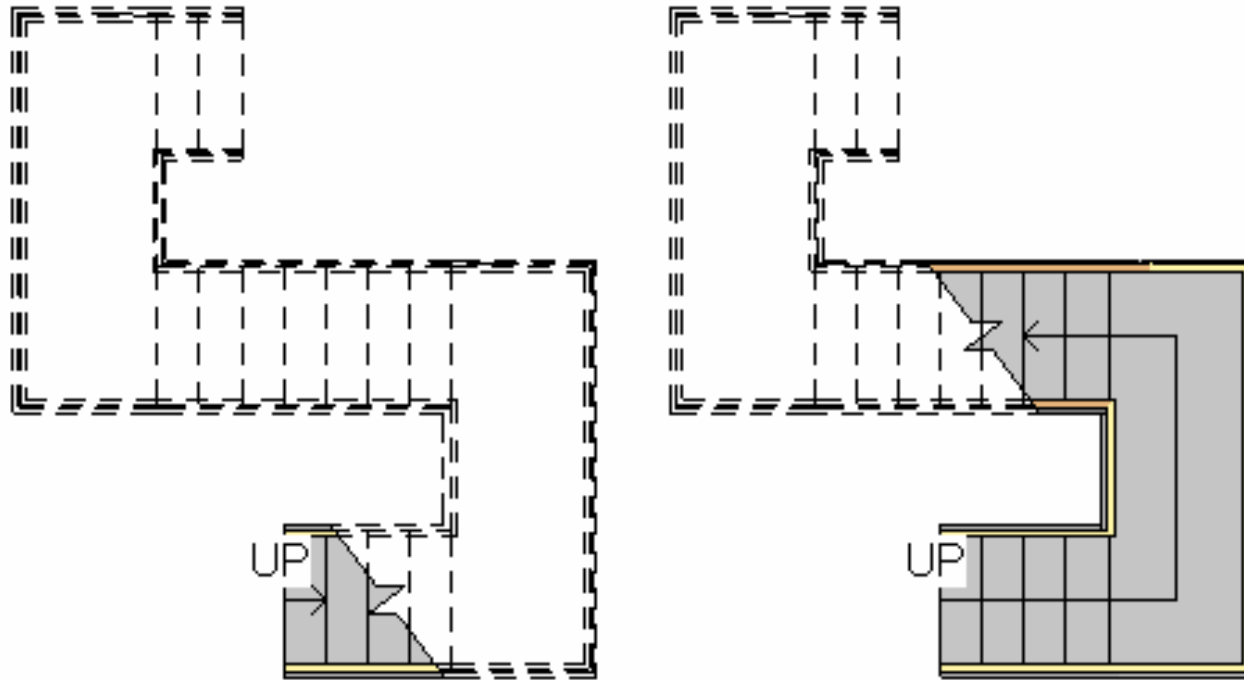




## Stair - Boundaries and Risers



## Stair - Railings



## Stair - Cut Plane

# REVIT® Structure A to Z



**Type Properties**

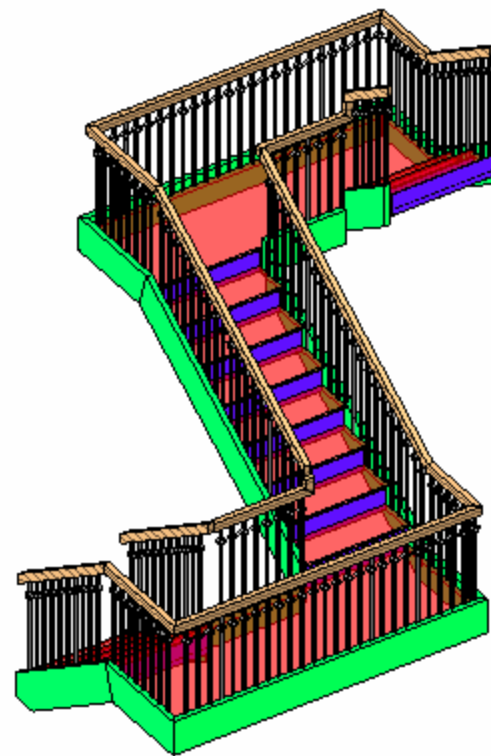
Family: System Family: Stair Load...

Type: 7 7/8" max riser 11" tread 2 Duplicate... Rename...

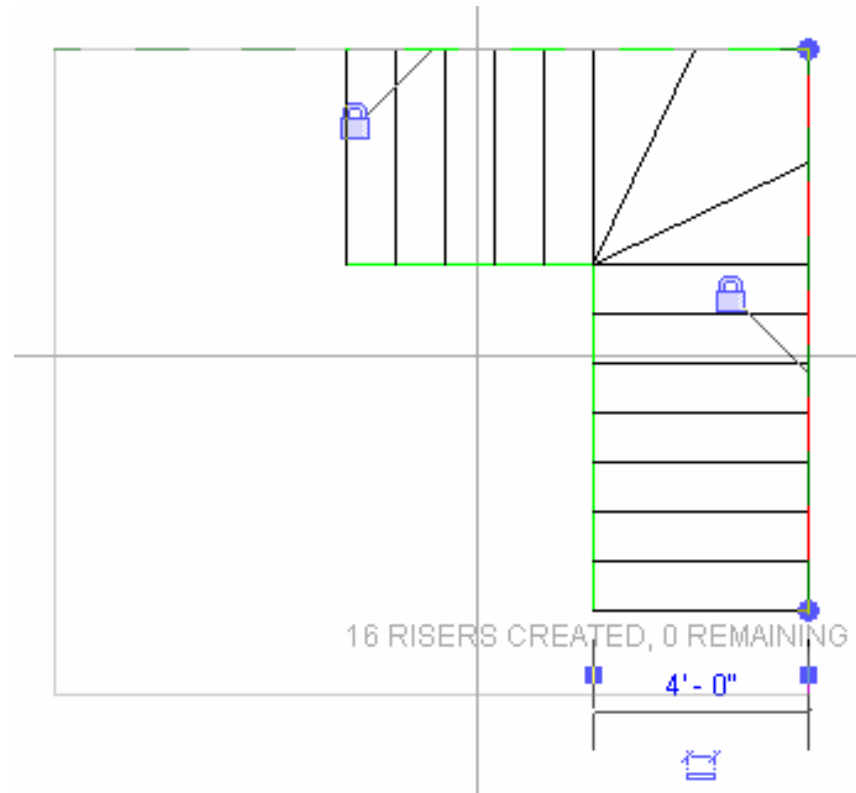
Type Parameters:

Parameter	Value
<b>Materials and Finishes</b>	
Tread Material	<By Category>
Riser Material	<By Category>
Stringer Material	<By Category>
Monolithic Material	<By Category>
<b>Treads</b>	
Minimum Tread Depth	0' 11"
Tread Thickness	0' 2"
Nosing Length	0' 1"
Nosing Profile	Stair Nosing - Pan : Stair Nosing - Pan
Apply Nosing Profile	Front Only
<b>Risers</b>	
Maximum Riser Height	0' 7 7/8"
Begin with Riser	<input checked="" type="checkbox"/>
End with Riser	<input checked="" type="checkbox"/>
Riser Type	Straight
Riser Thickness	0' 0 1/4"
Riser to Tread Connection	Extend Riser Behind Tread
<b>Stringers</b>	
Trim Stringers at Top	Do not trim
Right Stringer	Closed
Left Stringer	Closed
Middle Stringers	0

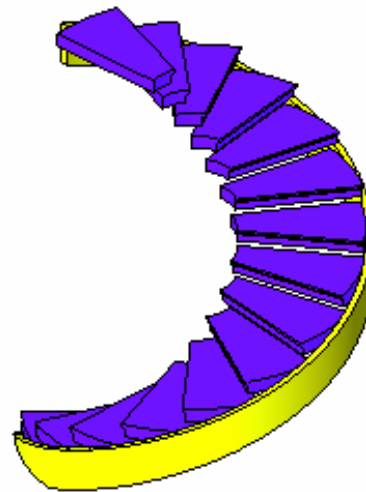
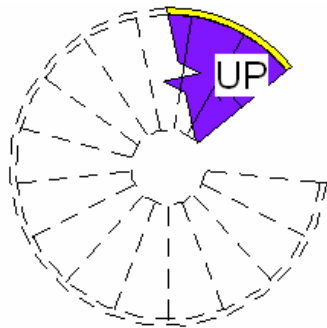
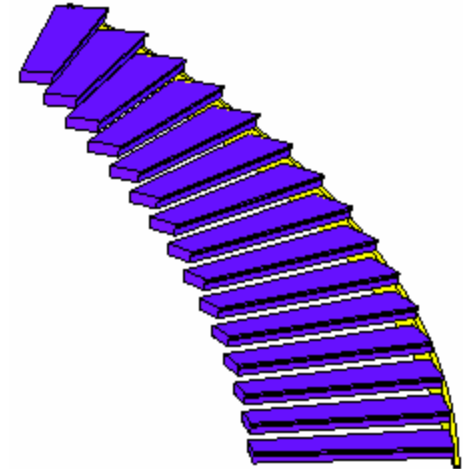
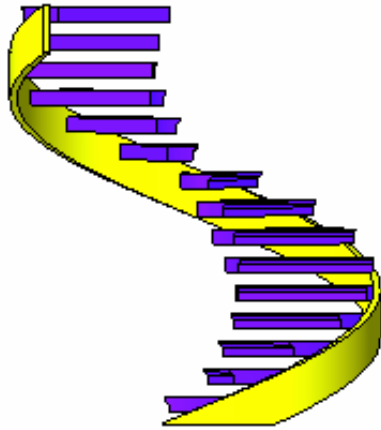
<< Preview OK Cancel Apply



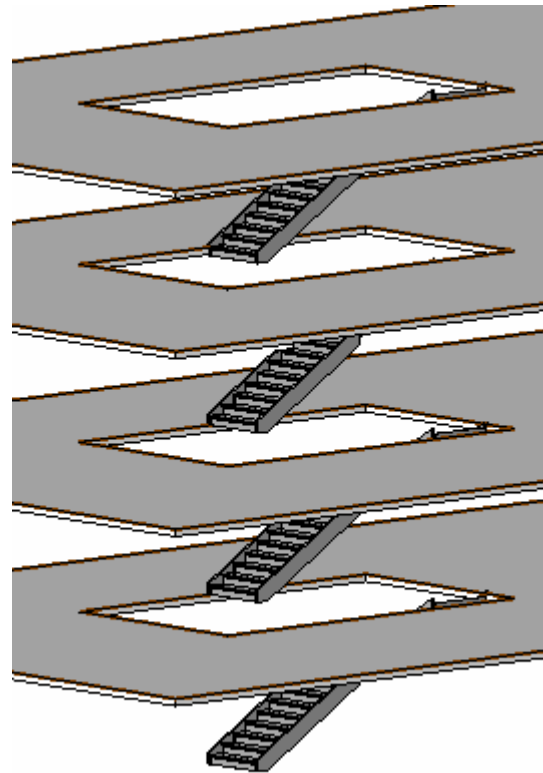
## Stair - Properties



## Stair - Lock to Opening



## Stair - Spiral or Arc



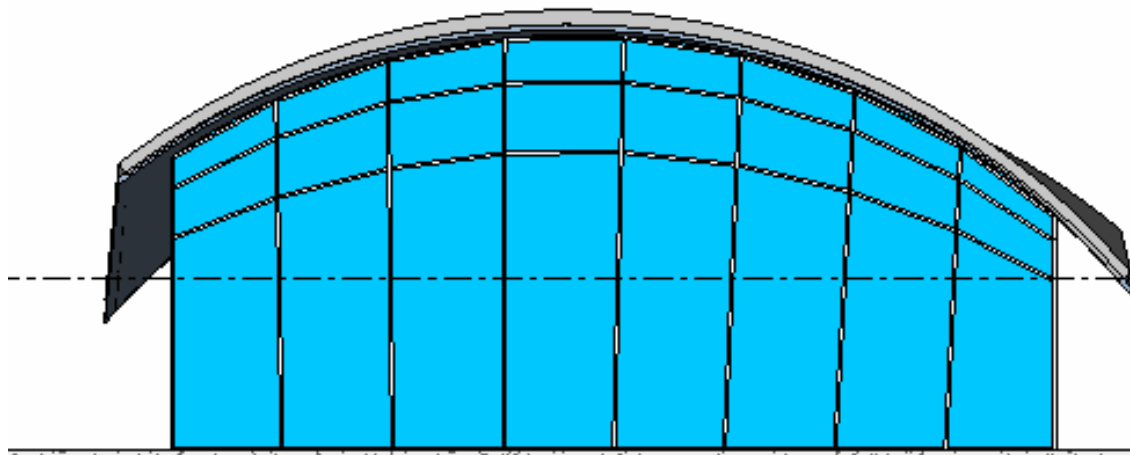
## Stair - Multi Storey

# REVIT® Structure A to Z



A few notes before we get started with Roofs.

- We are using revit structure 2008.
- Set the slope type in project units to 'slope angle' or 'rise /12'
- Check visibility graphics (v v) to turn on and off model categories. Browse thru the categories and have a look.
- check the 'show categories from all disciplines'. toggle.
- Walls have an additional visibility setting pertaining to it's 'structural usage' property and whether or not it is 'load bearing'. This is set in each view or saved to a view template.

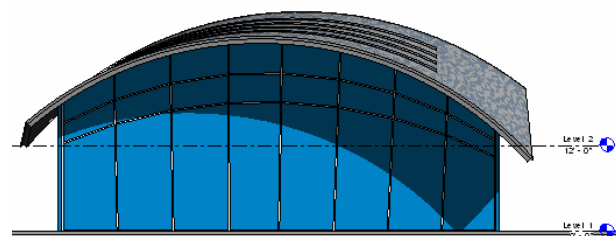
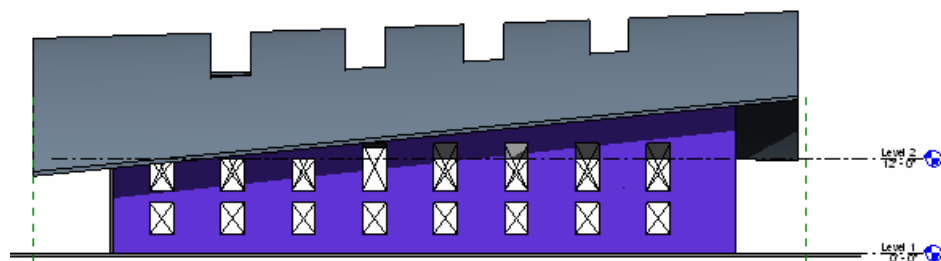
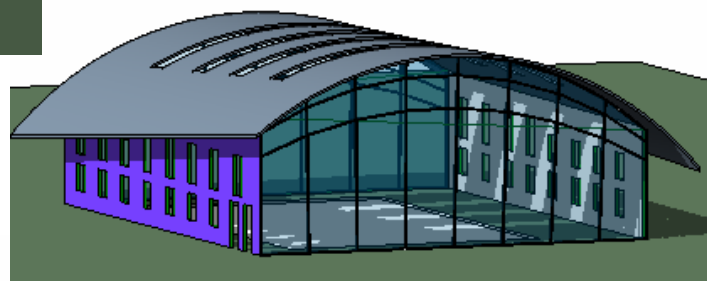
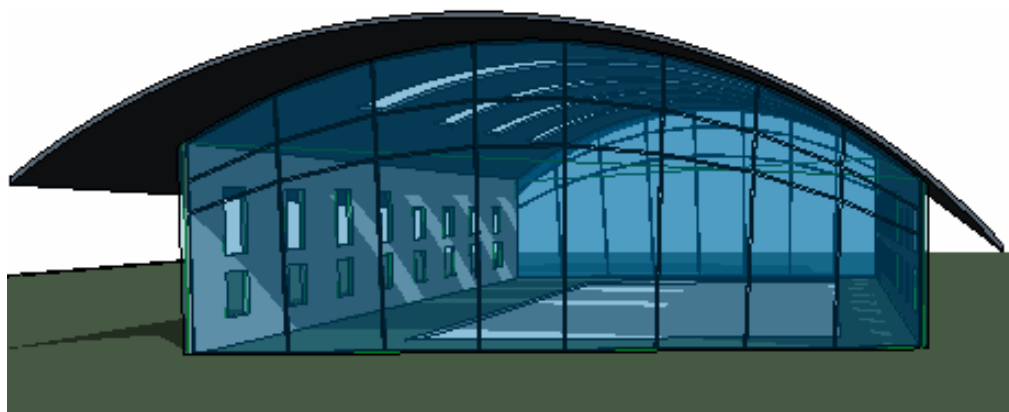


## Roofs - Introduction

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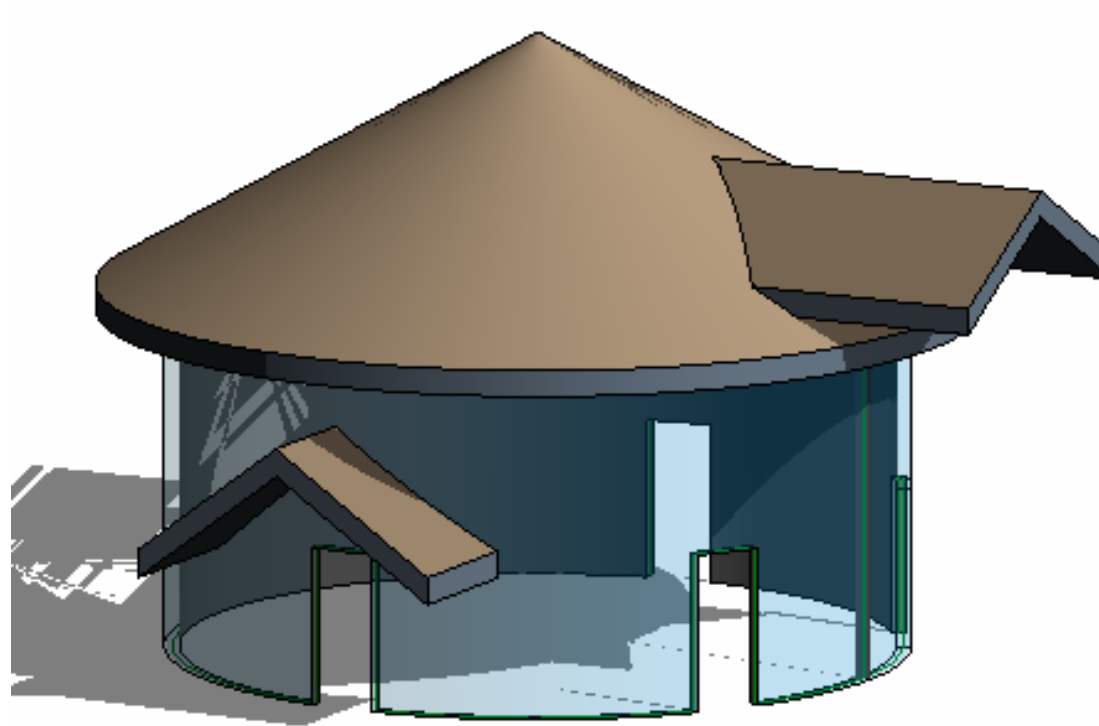


# REVIT® Structure A to Z

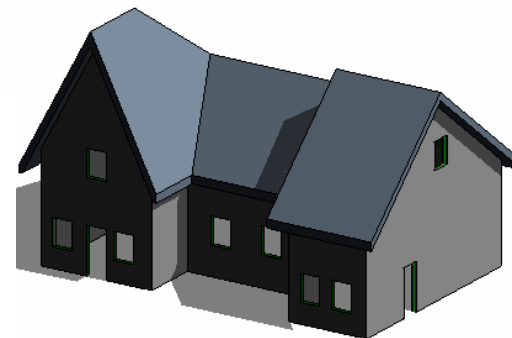
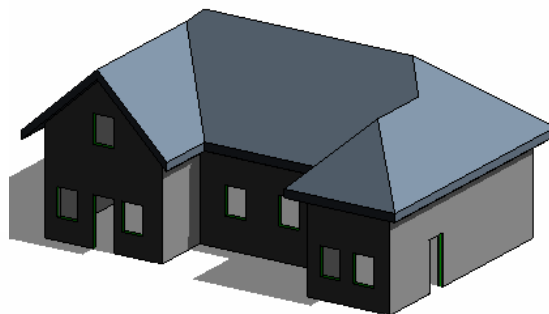
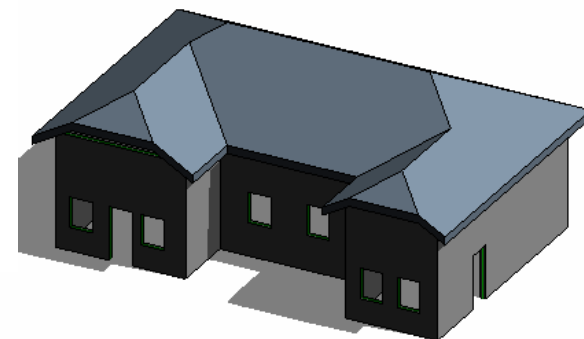
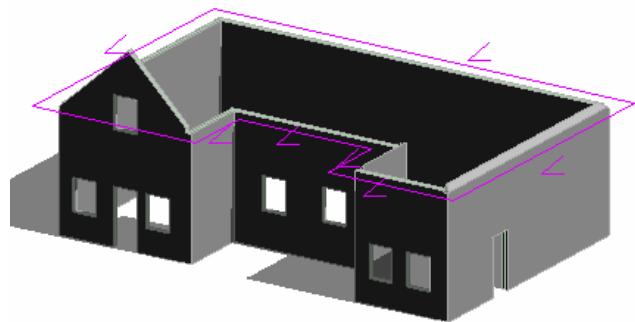


## Roofs - By Face

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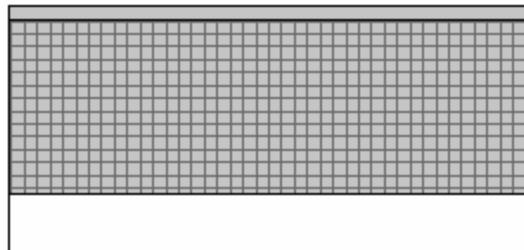


## Roofs - By Extrusion



## Roofs - By Footprint

# REVIT® Structure A to Z



**Edit Assembly** [Close]

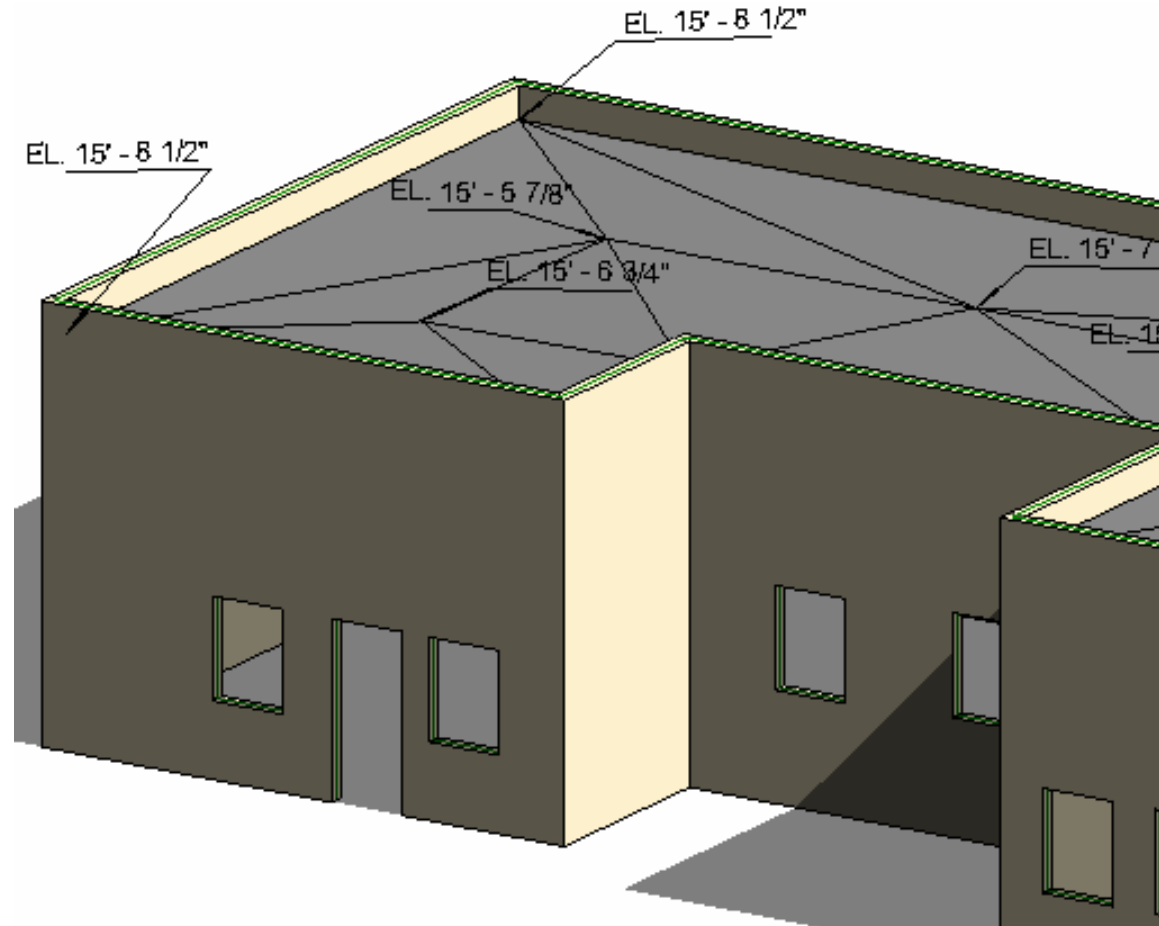
Family: Basic Roof  
Type: Deck and Insulation  
Total thickness: 0' 8 1/2" (Default)

Layers

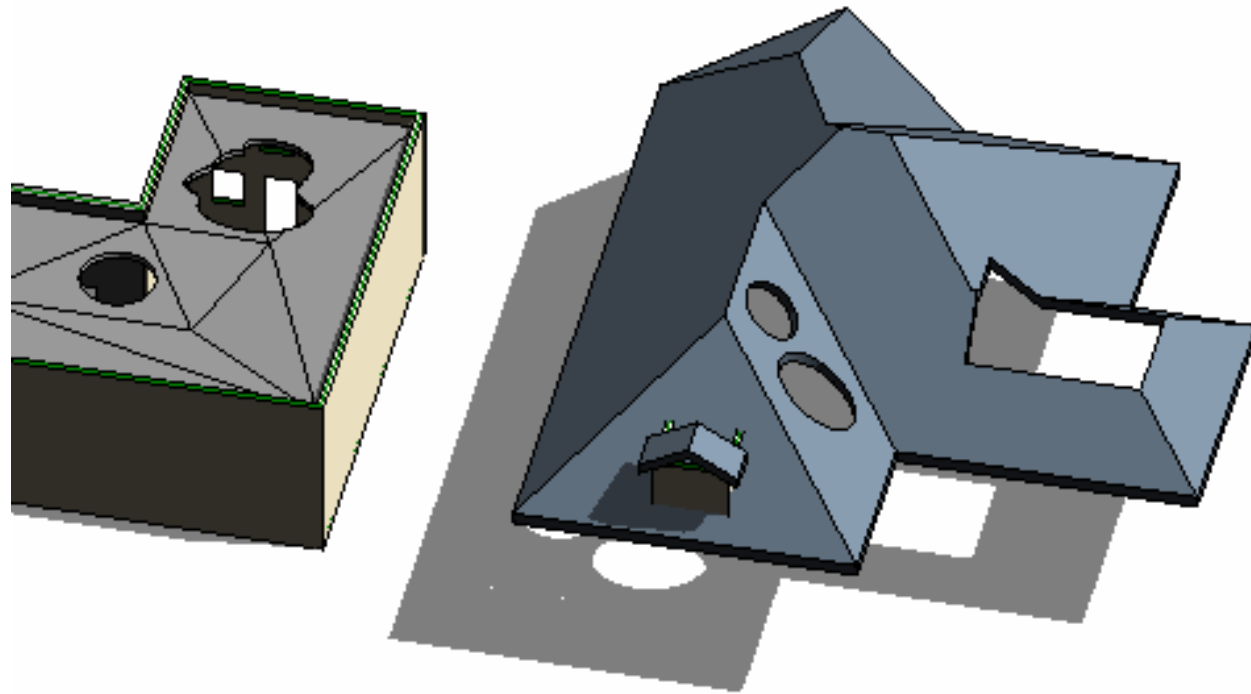
	Function	Material	Thickness	Wraps	Variable
1	Finish 1 [4]	Roofing - EPDM	0' 0 1/2"	<input type="checkbox"/>	<input type="checkbox"/>
2	Thermal/Air Lay	Insulation / Ther	0' 6"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	<b>Core Boundary</b>	<b>Layers Above W</b>	<b>0' 0"</b>		
4	Structure [1]	Metal - Deck	0' 2"	<input type="checkbox"/>	<input type="checkbox"/>
5	<b>Core Boundary</b>	<b>Layers Below Wr</b>	<b>0' 0"</b>		

[Insert] [Delete] [Up] [Down]

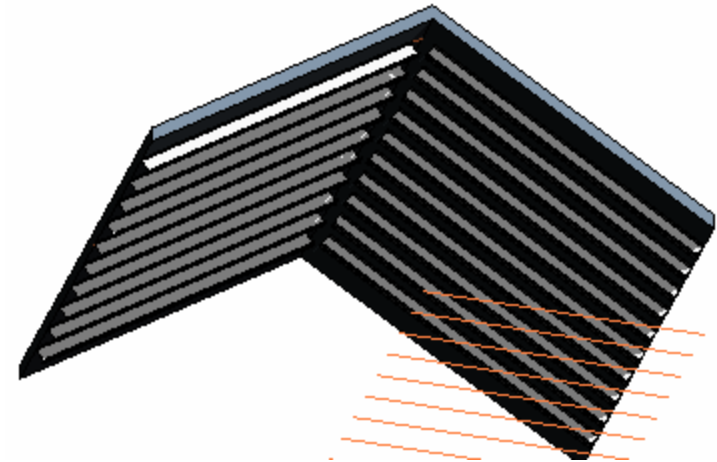
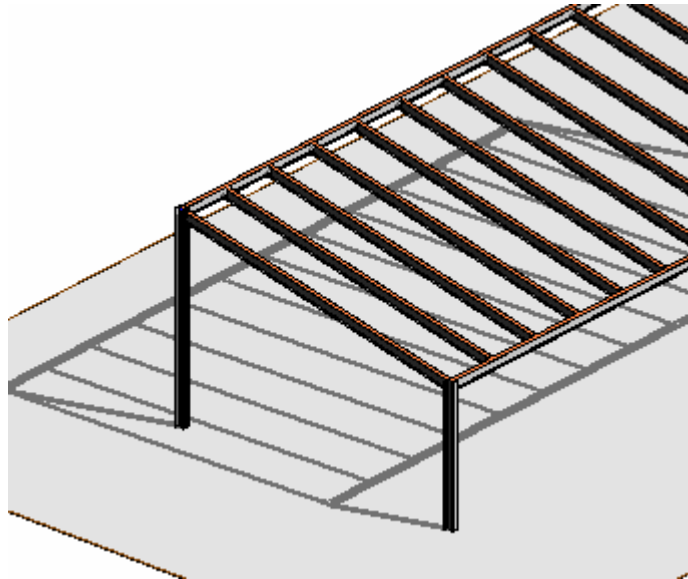
## Roofs - Assembly



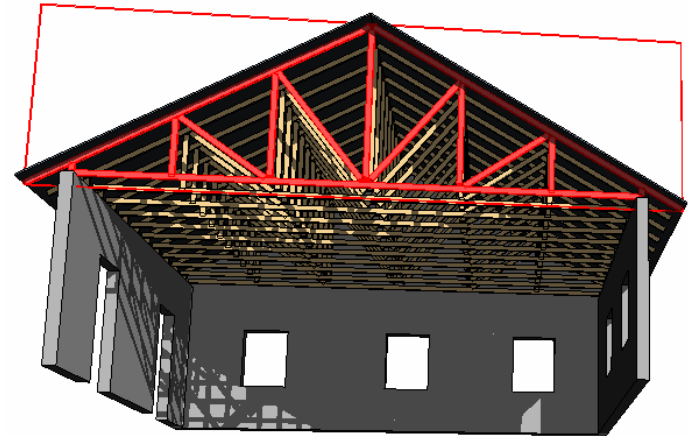
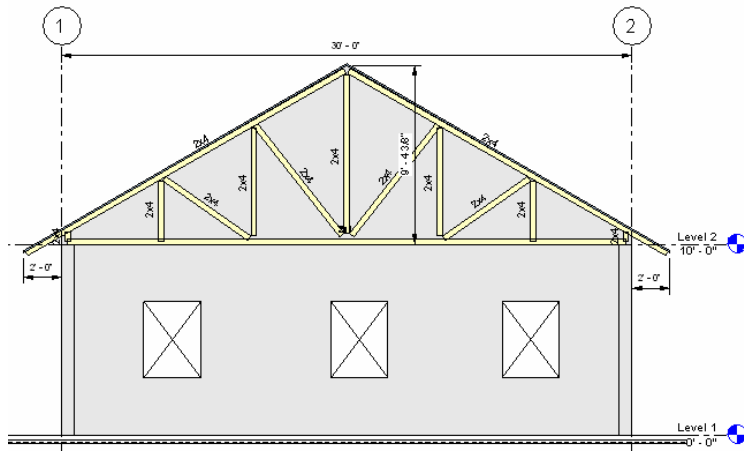
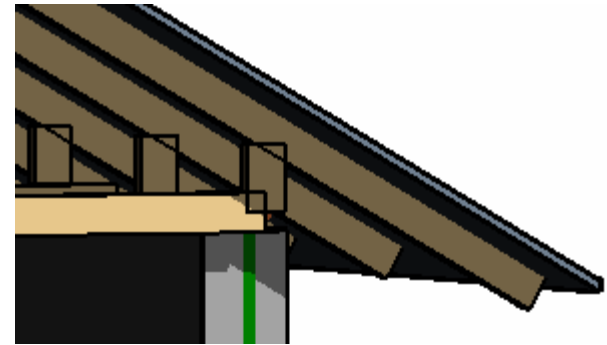
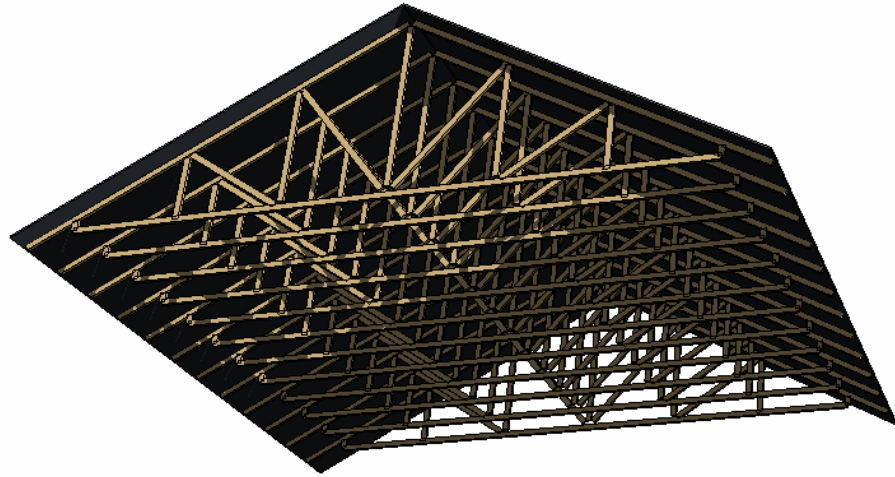
## Roofs - Sloped / Flat



## Roofs - Openings



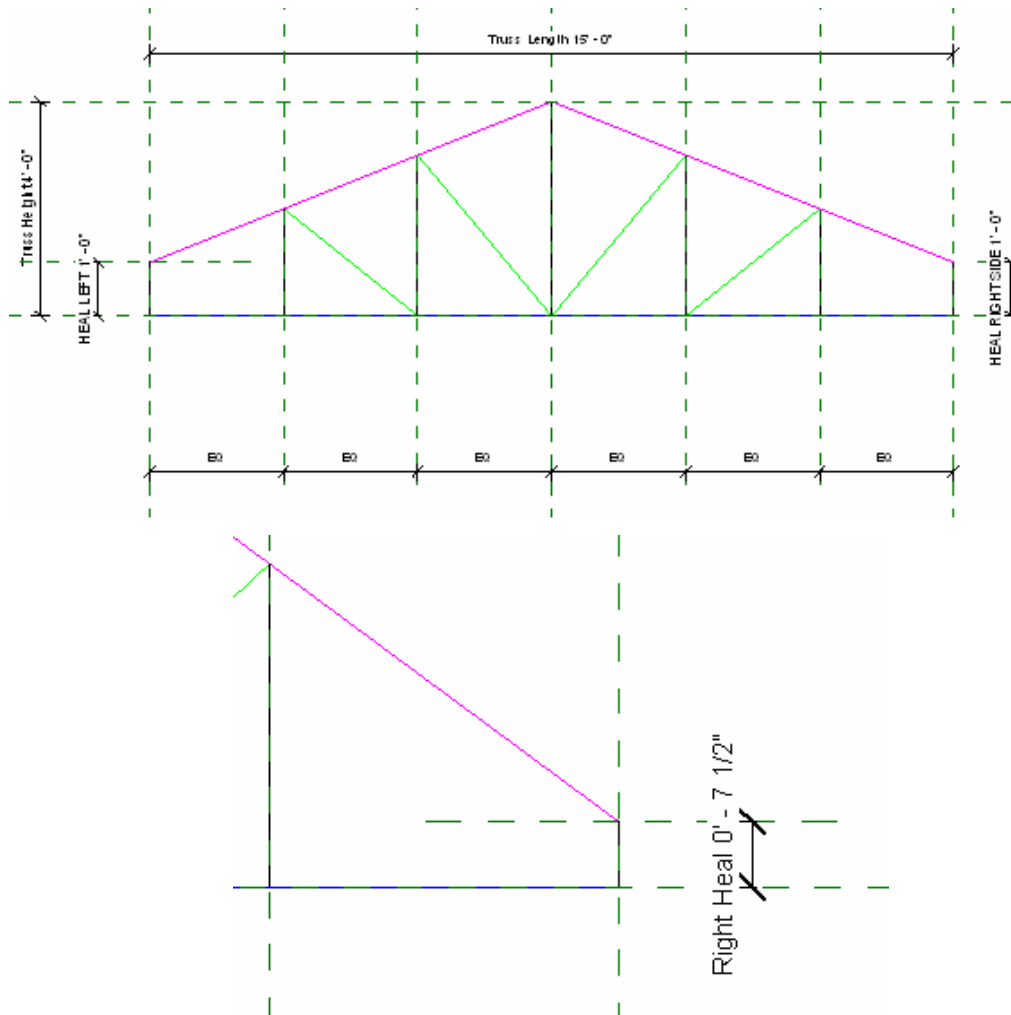
## Roofs - Sloped Framing



# Roofs - Intro to Trusses



# REVIT® Structure A to Z



Parameter	Value	
Structural Framing	Set Framing Ty	=
Start Release	Pinned	=
End Release	Pinned	=
Angle	0.000°	=
<b>Construction</b>		
Webs have symbol	<input type="checkbox"/>	=
Web Orientation	Vertical	=
<b>Dimensions</b>		
Right Heal (default)	0' 7 1/2"	=
Left Heal (default)	0' 7 1/2"	=
Truss Length	20' 0"	=
Truss Height (defa	8' 0"	=
<b>Identity Data</b>		
Assembly Code		=

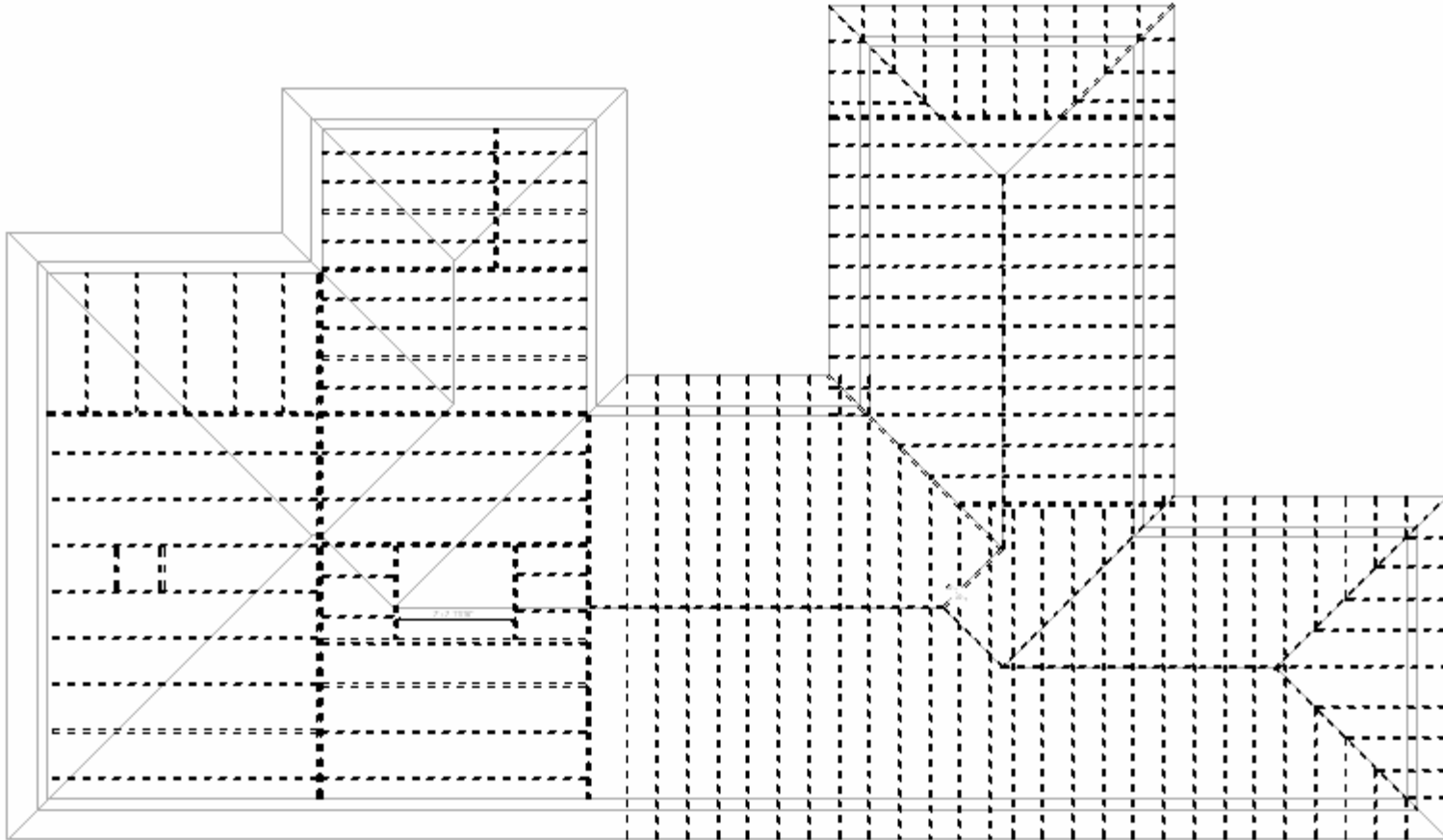
## Roofs - Custom Truss Family



## Roofs - By with a Kicker

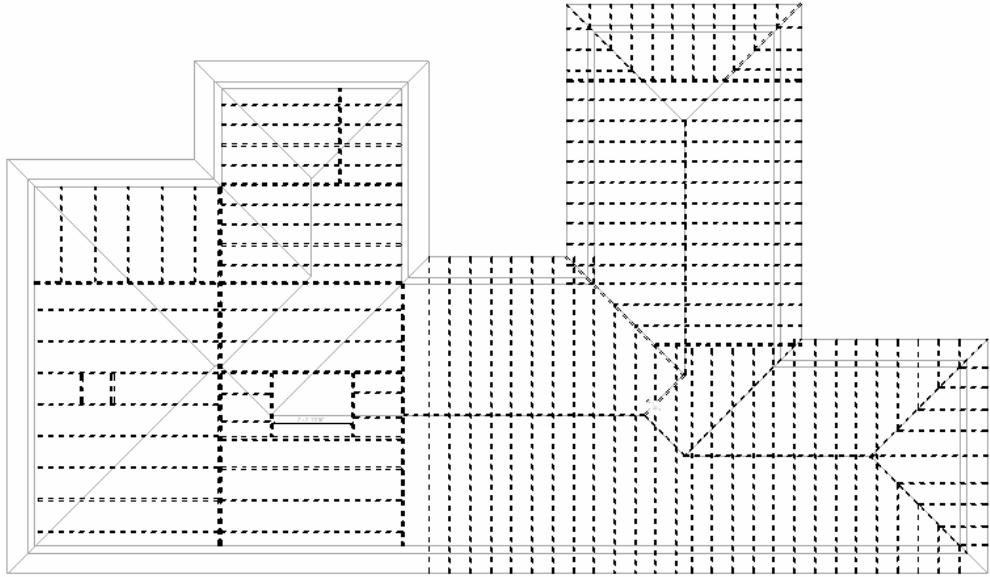
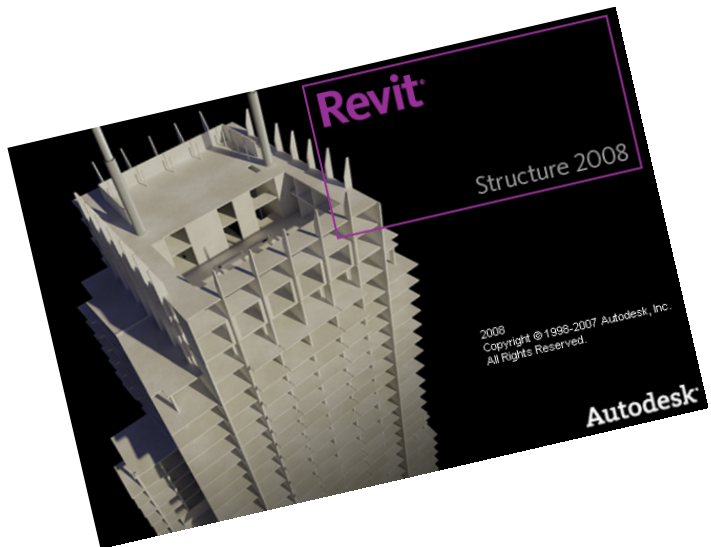
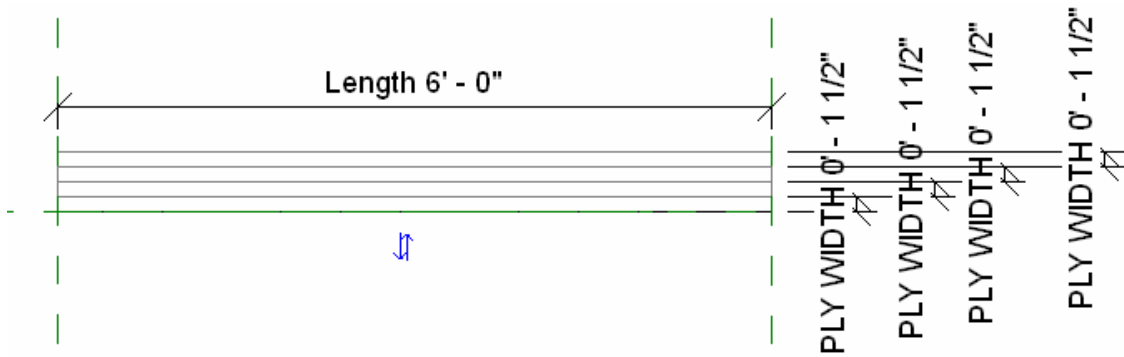


## Roofs - Country Porch



## Roofs - 2D Framing Plan

# REVIT® Structure A to Z



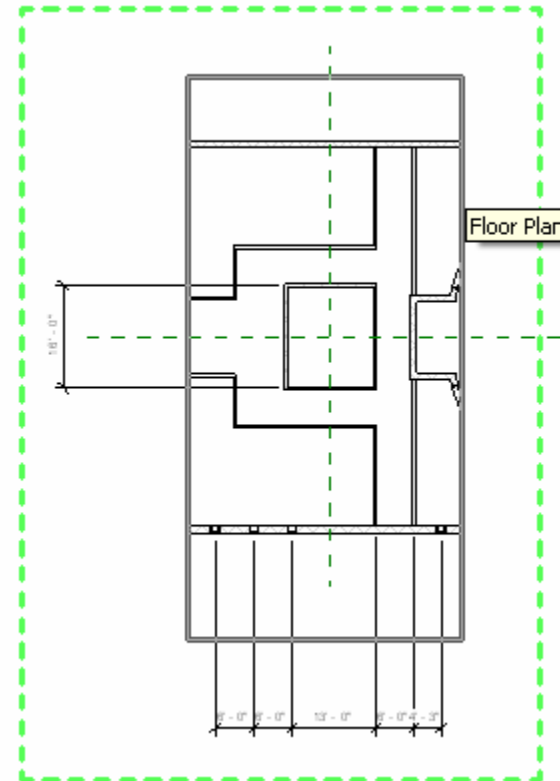
## 2D Framing Family

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# REVIT® Structure A to Z



Daryl, Erin and baby Ivy  
Jasper, Alberta, 05/07



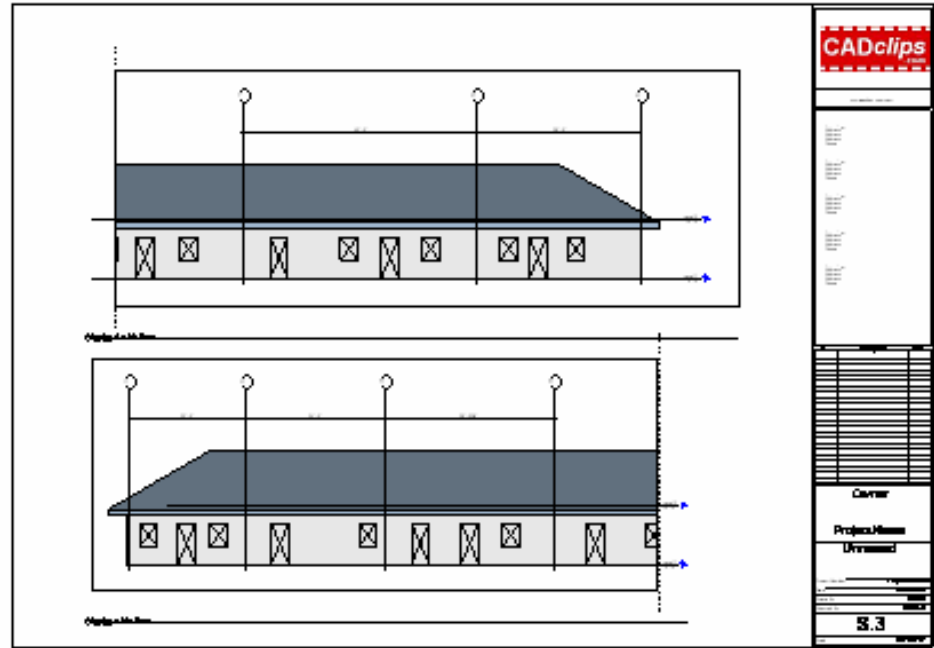
'Model' 'crop region' and  
'Annotation' (green) 'crop region'

## Annotation Crop Region

# REVIT® Structure A to Z



Erin, Baby Ivy and Mr. French  
Jasper, Alberta, 05/07



Primary view being split up into 2 dependent views, that are placed on a sheet.

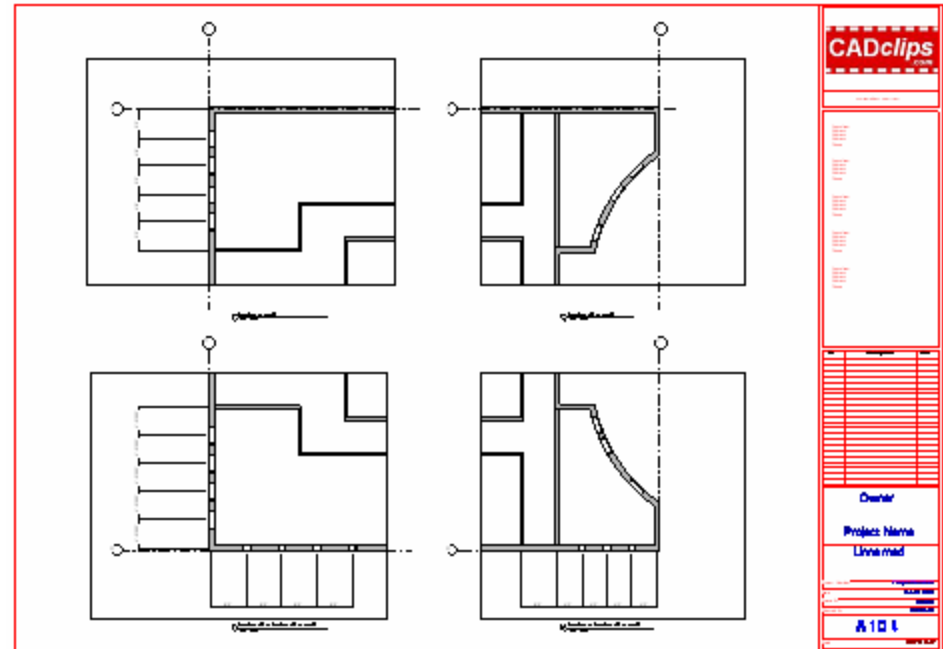
## Dependent Views - Elevation



# REVIT® Structure A to Z



The new wagon. Jasper, Alberta, 05/07



Primary Plan view being split up into 4 dependent views, that are placed on a sheet.

## Dependent Views - Plan