



New York City College of Technology Division of Continuing Education

Building Information Modeling with Revit 2014 Module 07 : FH.04 *Compound Wall and Firehouse Doors*



Professor Paul C. King, RA, AIA, ARA
Prof.Paul.King@Gmail.com

<http://professorpaulking.wordpress.com/>
<http://openlab.citytech.cuny.edu/bim101-sp14/>

<http://students.autodesk.com/>

Compound Masonry Wall & Firehouse Doors

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

- Reveals

- Sweeps

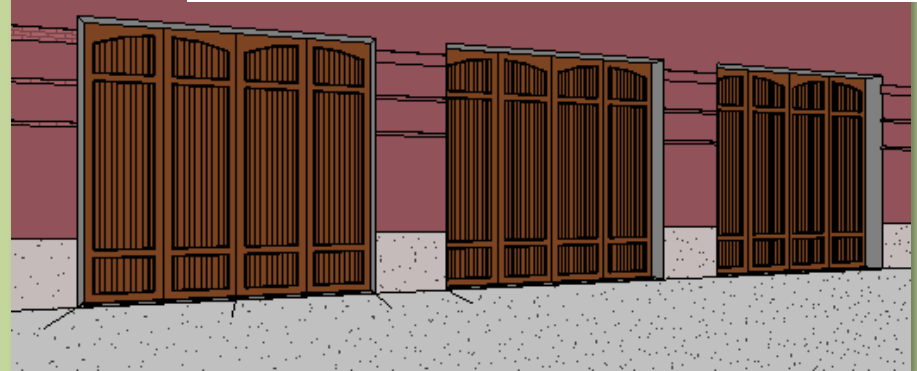
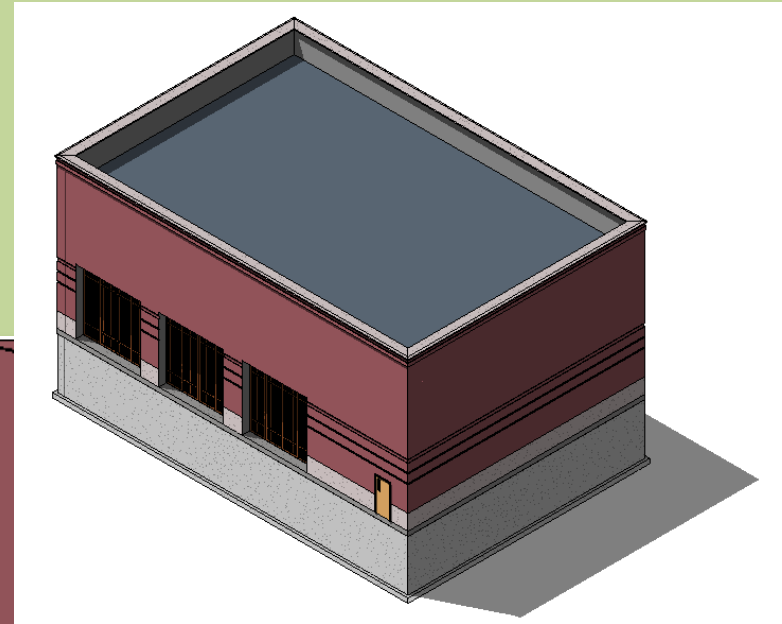
- Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction



Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

- Reveals

- Sweeps

- Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

Compound Masonry Wall (Duplicate & Rename)

The screenshot displays the Revit interface for editing a Compound Wall. The 'Properties' panel on the left shows the current wall type as 'Exterior - Brick on CMU' under the 'Basic Wall' family. The 'Type Properties' panel on the right shows the same family and type, with buttons for 'Load...', 'Duplicate...', and 'Rename...'. A red arrow points from the 'Edit Type' button in the Properties panel to the 'Duplicate...' button in the Type Properties panel. A secondary dialog box titled 'Name' is open, showing the name 'Exterior - Brick on CMU Firehouse' and an 'OK' button, with another red arrow pointing to it from the 'Duplicate...' button.

Parameter	Value
Construction	
Structure	Edit...
Wrapping at Inserts	Do not wrap
Wrapping at Ends	None
Width	1' 7 1/2"
Graphics	
Coarse Scale Fill Pattern	
Coarse Scale Fill Color	
Materials and Finishes	
Structural Material	
Identity Data	
Keynote	
Model	
Manufacturer	
Type Comments	
URL	
Description	
Assembly Description	Ext. Wall - Brick Composite
Assembly Code	B2010156
Type Mark	

Compound Masonry Wall (Edit Structure)

Day 07 FH Day 04

Overview

- Compound Wall
 - Duplicate
 - Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

Type Properties

Family: System Family: Basic Wall [Load...]

Type: Exterior - Brick on CMU Firehouse [Duplicate...]

[Rename...]

Type Parameters

Parameter	Value
Construction	
Structure	Edit...
Wrapping at Inserts	Do not wrap
Wrapping at Ends	None
Width	1' 7 1/2"
Function	Exterior
Graphics	
Coarse Scale Fill Pattern	
Coarse Scale Fill Color	Black
Materials and Finishes	
Structural Material	Concrete Masonry Units
Identity Data	
Keynote	
Model	
Manufacturer	
Type Comments	
URL	
Description	
Assembly Description	Ext. Wall - Brick Composite
Assembly Code	B2010156
Type Mark	

<< Preview OK Cancel Apply

Edit Assembly

Family: Basic Wall

Type: Exterior - Brick on CMU Firehouse

Total thickness: 1' 7 1/2" ←

Sample Height: 20' 0"

Resistance (R): 31.6278 (h·ft²·°F)/BTU

Thermal Mass: 28.6462 BTU/°F

Layers

EXTERIOR SIDE					
	Function	Material	Thickness	Wraps	Structural Material
1	Finish 1 [4]	Brick, Common	0' 3 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Thermal/Air Laye	Air	0' 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Thermal/Air Laye	Rigid insulation	0' 3"	<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	0' 7 5/8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Core Boundary	Layers Below Wrap	0' 0"		
8	Substrate [2]	Metal Furring	0' 1 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Finish 2 [5]	Gypsum Wall Boar	0' 0 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

INTERIOR SIDE

Insert Delete Up Down

Default Wrapping

At Inserts: Do not wrap

At Ends: None

Modify Vertical Structure (Section Preview only)

Modify Merge Regions Sweeps

Assign Layers Split Region Reveals

<< Preview ← OK Cancel Help

Compound Masonry Wall (Split Region)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

Split & Edit

- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

- Split the brick course at a height of 3'-4"
- Remember we need to match brick coursing modules

Family: Basic Wall
Type: Exterior - Brick on CMU
Total thickness: 1' 7 1/2"
Resistance (R): 30.6596 (h·ft²·°F)/BTU
Thermal Mass: 22.7817 BTU/°F
Sample Height: 20' 0"

EXTERIOR SIDE					
	Function	Material	Thickness	Wraps	Structural Material
1	Finish 1 [4]	Brick, Com	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Thermal/Ai	Air	0' 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Thermal/Ai	Rigid insula	0' 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Membrane	Damp-proo	0' 0"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Core Boundar	Layers Above	0' 0"		
6	Structure [1	Concrete M	0' 7 5/8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Core Boundar	Layers Below	0' 0"		
8	Substrate [2	Metal Furri	0' 1 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Finish 2 [5]	Gypsum W	0' 0 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

INTERIOR SIDE

Insert Delete Up Down

Default Wrapping
At Inserts: Do not wrap
At Ends: None

Modify Vertical Structure (Section Preview only)
Modify Merge Regions Sweeps
Assign Layers Split Region Reveals

View: Section: Modify type

Preview >> OK Cancel Help

Compound Masonry Wall (adjust split height)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure
- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

- To adjust the split height
- Select Modify
- Pick the Split
- Edit the dimension

2 - Pick Split

3 - adjust height

1 - modify

EXTERIOR SIDE					
	Function	Material	Thickness	Wraps	Structural Material
1	Finish 1 [4]	Brick, Com	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Thermal/Ai	Air	0' 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Thermal/Ai	Rigid insula	0' 3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	Membrane	Damp-proo	0' 0"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Core Boundar	Layers Above	0' 0"		
6	Structure [1]	Concrete M	0' 7 5/8"	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	Core Boundar	Layers Below	0' 0"		
8	Substrate [2]	Metal Furri	0' 1 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Finish 2 [5]	Gypsum W	0' 0 5/8"	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Compound Masonry Wall (Insert new layer)

- Insert a New Layer
- Function = Finish 1 [4] Material = Concrete, Precast

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

The screenshot displays the 'Edit Assembly' dialog box in Revit, showing the process of inserting a new layer into a compound masonry wall assembly. The 'Layers' table is visible, and the 'Insert' button is highlighted.

Material Browser - Concrete, Precast

Search results for "concrete"

Name	Cate
Concrete - Cast-in-Place Concrete	Cor
Concrete - Precast Concrete - Normal Weight 5 ksi	Cor
Concrete Masonry Units	Mas
Concrete, Cast-in-Place gray	Cor
Concrete, Lightweight	Cor
Concrete, Precast	Cor

Material Editor

Concrete, Precast

Assets

Name	Aspect
Concrete, Precast	Graphics
Smooth Precast Structural	Appearance
Concrete 5.0 ksi	Physical
Concrete	Thermal

Graphics Properties

Shading

Use Render Appearance

Color RGB 198 187 187

Edit Assembly

Family: Basic Wall
Type: Exterior - Brick on CMU
Total thickness: 1' 7 1/2"
Resistance (R): 30.6596 (h-ft²-°F)/BTU
Thermal Mass: 22.7817 BTU/°F
Sample Height: 20' 0"

Layers

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

INTERIOR SIDE

Insert Delete Up Down

Default Wrapping

At Inserts: Do not wrap At Ends: None

Modify Vertical Structure (Section Preview only)

Modify Merge Regions Sweeps

Assign Layers Split Region Reveals

Preview >> OK Cancel Help

Compound Masonry Wall (assign layers)

- Select Assign Layers
- Select the base of the brick wall – material should change to match the concrete

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

▪ Reveals

▪ Sweeps

▪ Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

Family: Basic Wall
Type: Exterior - Brick on CMU
Total thickness: 1' 7 1/2"
Resistance (R): 32.1276 (h-ft²-°F)/BTU
Thermal Mass: 35.4526 BTU/°F

Sample Height: 20' 0"

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

INTERIOR SIDE

Buttons: Insert, Delete, Up, Down

Default Wrapping
At Inserts: Do not wrap
At Ends: None

Modify Vertical Structure (Section Preview only)
Buttons: Modify, Merge Regions, Sweeps, Assign Layers, Split Region, Reveals

Buttons: OK, Cancel, Help

Compound Masonry Wall (Add Reveals)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction

- Reveals > Add > 3 Reveals
- Choose Profile
- Set Distance, From and Offset if any

- What is a reveal?
- A reveal is a negative shape – it is subtracted from the wall
- Add 4 reveals as shown

Reveals

	Profile	Distance	From	Side	Offset	Flip	Setback
1	Reveal-Brick Course : 3 Bricks	12' 8"	Base	Exterior	0' 0"	<input type="checkbox"/>	0' 0"
2	Reveal-Brick Course : 1 Brick	10' 8"	Base	Exterior	0' 0"	<input type="checkbox"/>	0' 0"
3	Reveal-Brick Course : 1 Brick	8' 8"	Base	Exterior	0' 0"	<input type="checkbox"/>	0' 0"

1- Reveal -Brick Course : 3 Bricks @ 12' 8"
2- Reveal -Brick Course : 1 Brick @ 10' 8"
3- Reveal -Brick Course : 1 Brick @ 8' 8"

← Add 3 Reveals

←

- Profile
- Distance From Base

Compound Masonry Wall (Add Sweeps)

- Sweeps > Add > 2 Sweeps
- Choose Profile
- Set Distance, From Position and Offset

- What is a sweep?
- A sweep is a positive shape – it is added to the wall
- Add 2 sweeps as shown

	Profile	Material	Distance	From	Side	Offset	Flip	Setb
1	Parapet Cap-Precast : 26	Concrete, Precast	0' 0"	To	Exteri	0' 2"	<input type="checkbox"/>	0' 0"
2	Wall Sweep-Brick Soldier	Brick, Soldier Course	-1' 4"	To	Exteri	-0' 2"	<input type="checkbox"/>	0' 0"

1- Parapet Cap-Precast: 26
Material: Concrete, Precast
Offset 2"

2- Wall Sweep - Brick Soldier
Material: Brick, Soldier Course
Distance -1' 4 Offset -2"

Buttons: Load Profile, Add, Duplicate, OK, Cancel, Apply

Modify Vertical Structure (Section Preview only): Modify, Merge Regions, Sweeps, Assign Layers, Split Region, Reveals

- Profile
- Material
- Distance
- From Top
- Offset

Compound Masonry Wall (overview)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

- Reveals

- Sweeps

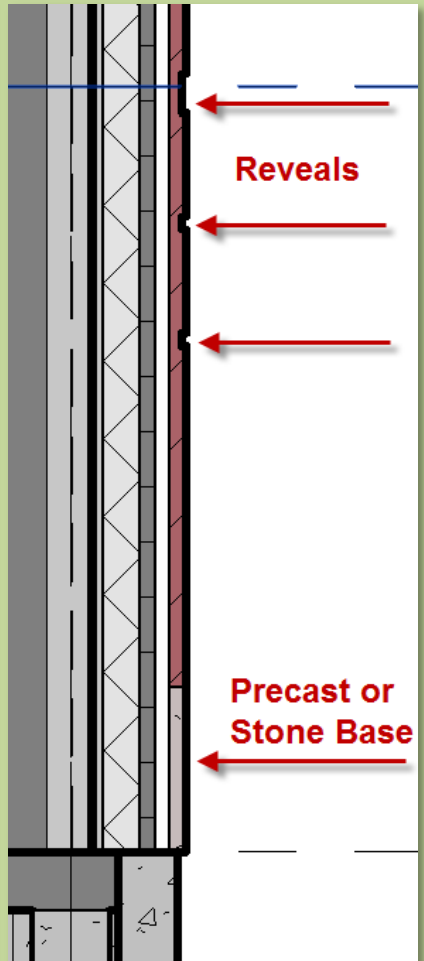
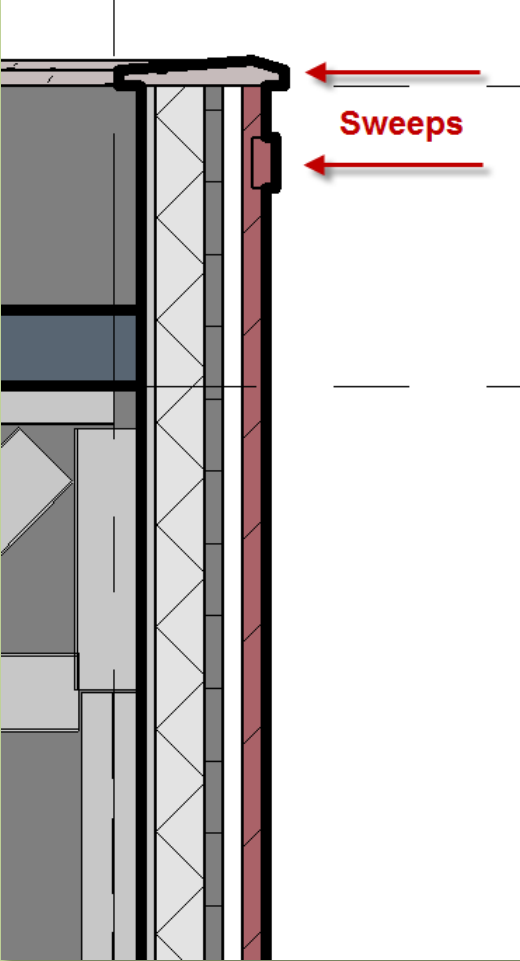
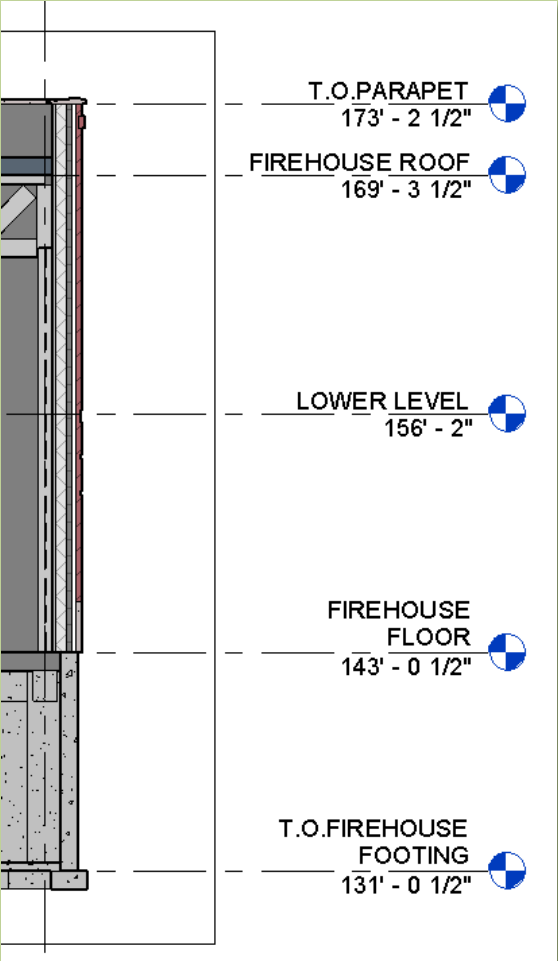
- Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction



Firehouse Doors (Autodesk Seek)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

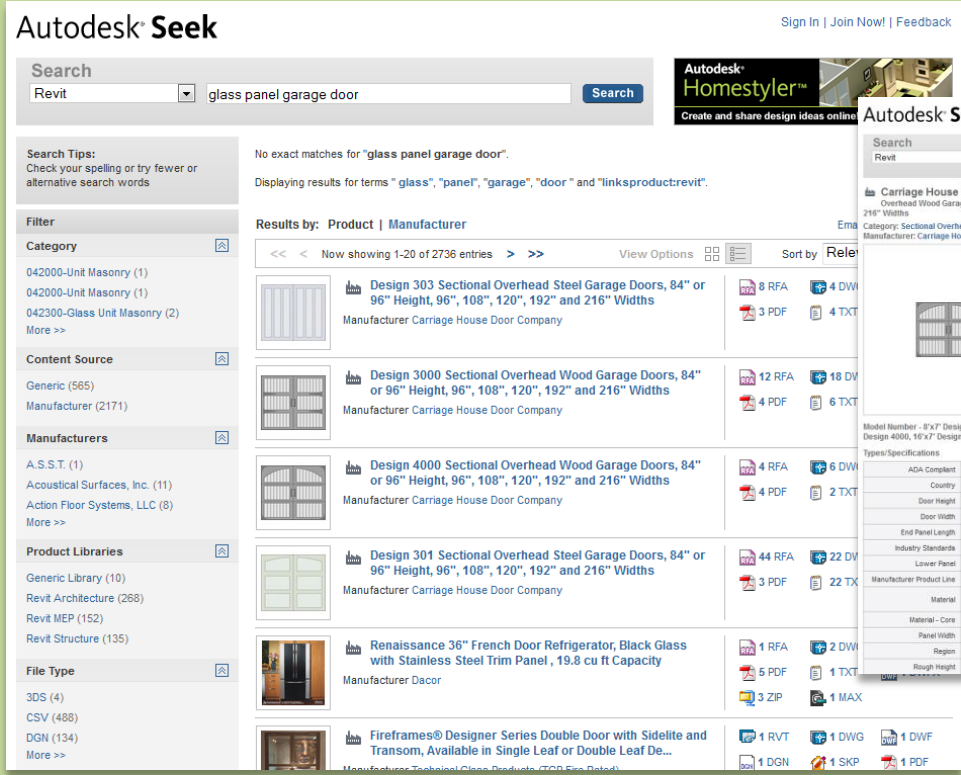
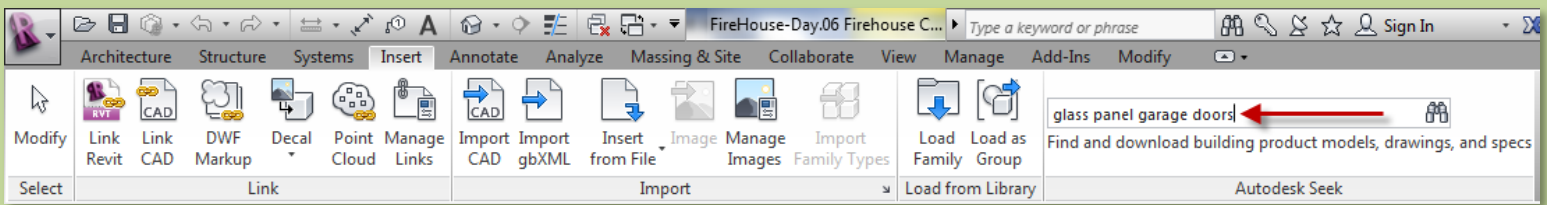
Review

Firehouse Doors

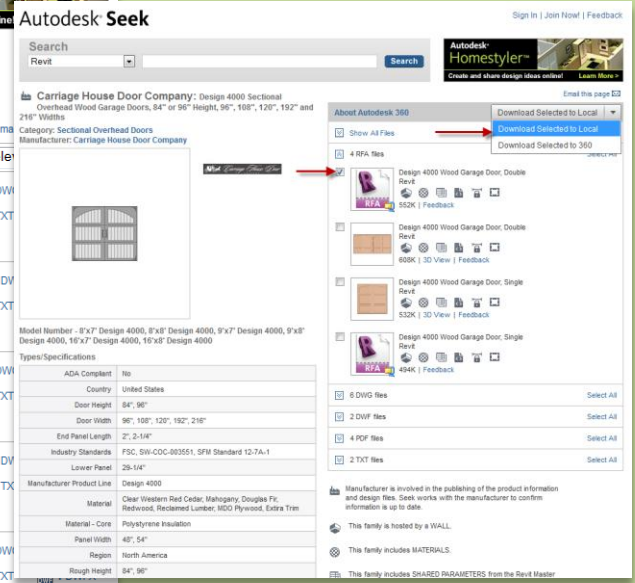
- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction



• Glass Panel Garage Doors



• Download Selected to Local

Firehouse Doors (Download Load Family)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

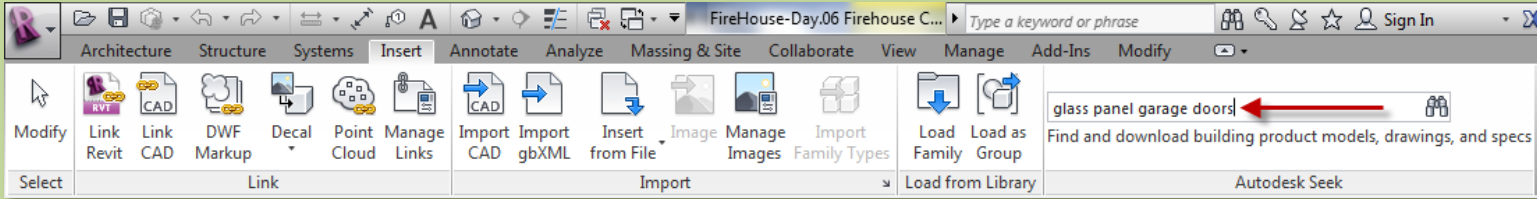
Review

Firehouse Doors

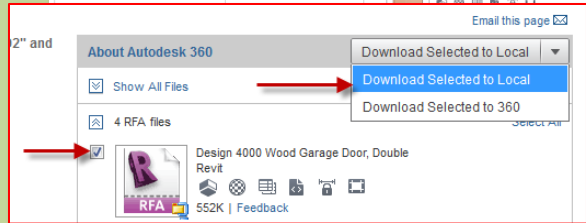
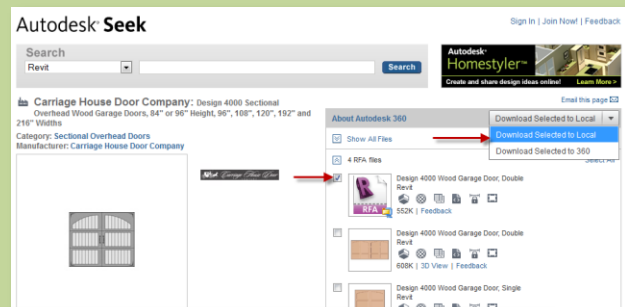
- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

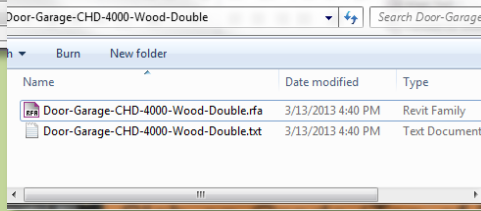
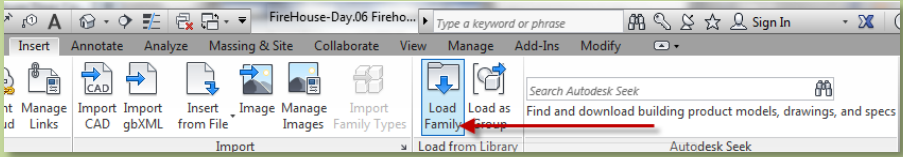
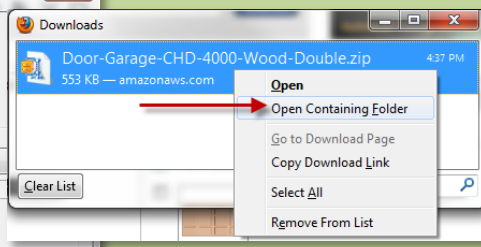
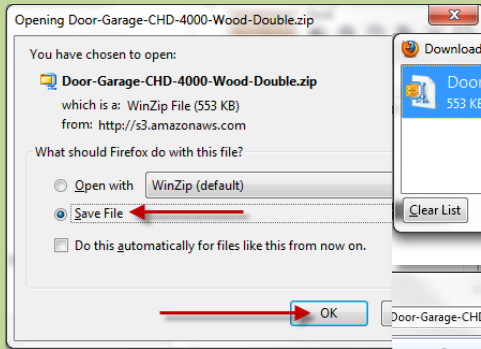
Revit Introduction



• Glass Panel Garage Doors



• Download Selected to Local



Firehouse Doors (Load Family)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

- Reveals

- Sweeps

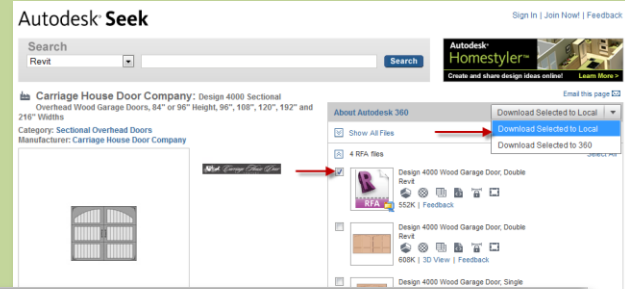
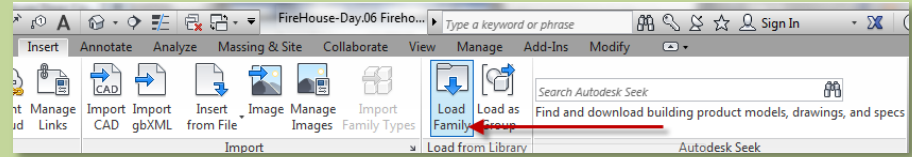
- Review

Firehouse Doors

- Autodesk Seek
- Download Family
- **Load Family**
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

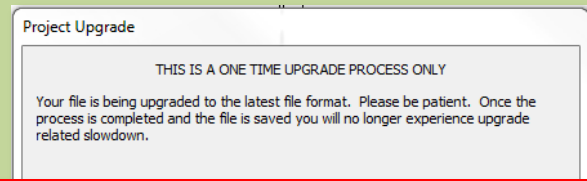
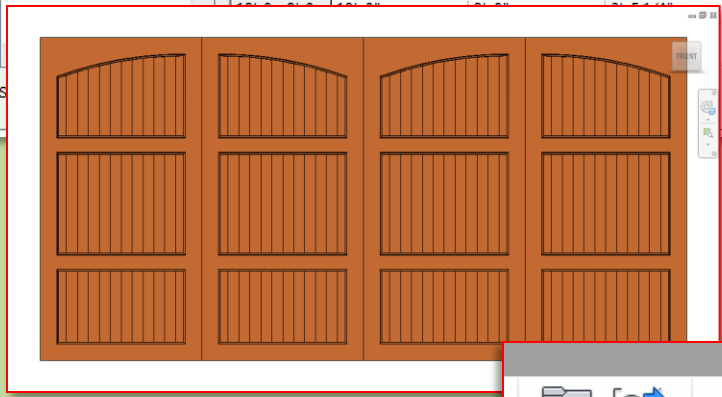
Revit Introduction



Specify Types

Family:	Types:								
Door-Garage-CHD-4000-Wo	Type	Width	Height	Lower Panel	End Panel Length	Manufacturer	Model	Description	
		(all)	(all)	(all)	(all)	(all)	(all)	(all)	(all)
	16'-0 x 7'-0	16' 0"	7' 0"	2' 5 1/4"	0' 21/4"	Carriage House Door Company	16'-0 x 7'-0 Design 4000	Garage Door	
	17'-0 x 7'-0	17' 0"	7' 0"	2' 5 1/4"	0' 21/8"	Carriage House Door Company	17'-0 x 7'-0 Design 4000	Garage Door	
	18'-0 x 7'-0	18' 0"	7' 0"	2' 5 1/4"	0' 2"	Carriage House Door Company	18'-0 x 7'-0 Design 4000	Garage Door	
	16'-0 x 8'-0	16' 0"	8' 0"	2' 5 1/4"	0' 21/4"	Carriage House Door Company	16'-0 x 8'-0 Design 4000	Garage Door	
	17'-0 x 8'-0	17' 0"	8' 0"	2' 5 1/4"	0' 21/8"	Carriage House Door Company	17'-0 x 8'-0 Design 4000	Garage Door	
					0' 2"	Carriage House Door Company	18'-0 x 8'-0 Design 4000	Garage Door	

OK Cancel Help



Search Autodesk Seek Find and download building product models, drawings, and specs

Load into Project

Autodesk Seek

Family Editor Load into Project

• Load into Project

Firehouse Doors (Duplicate Family)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

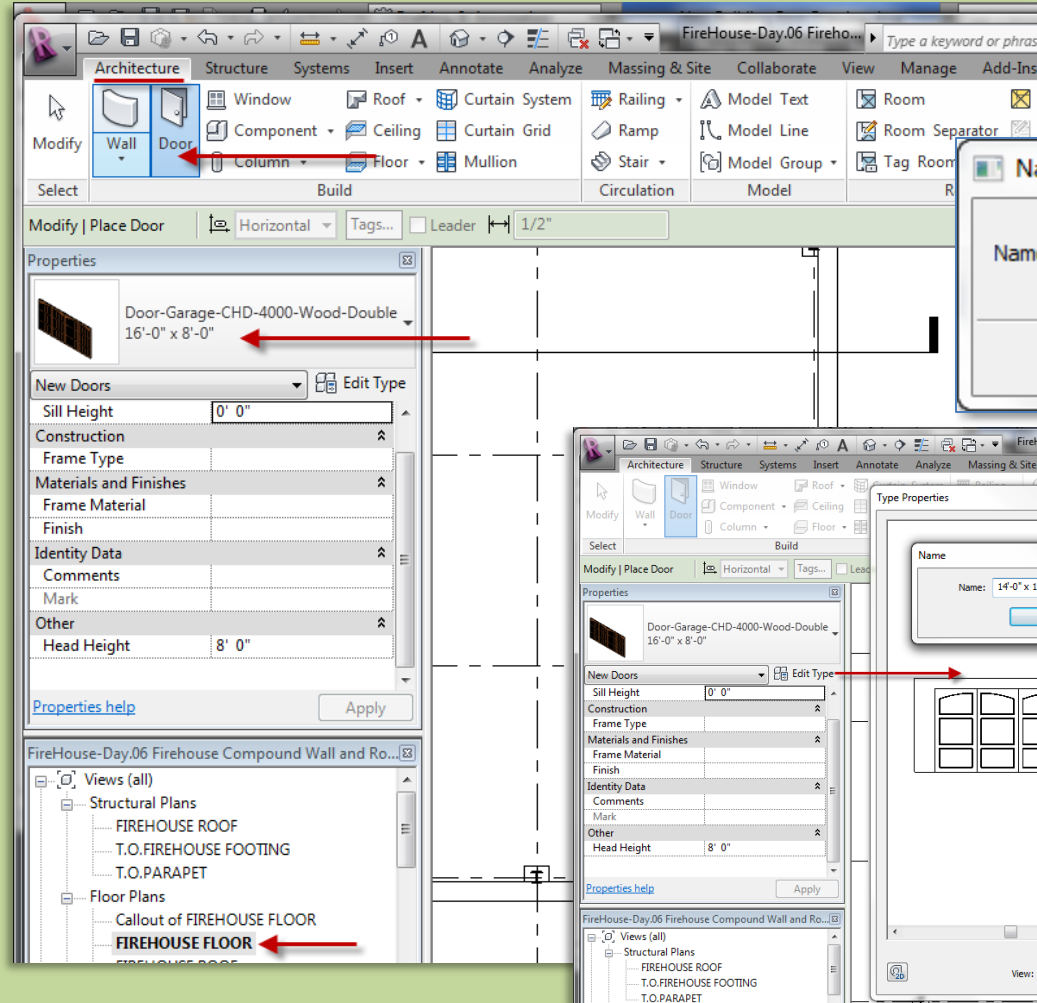
Review

Firehouse Doors

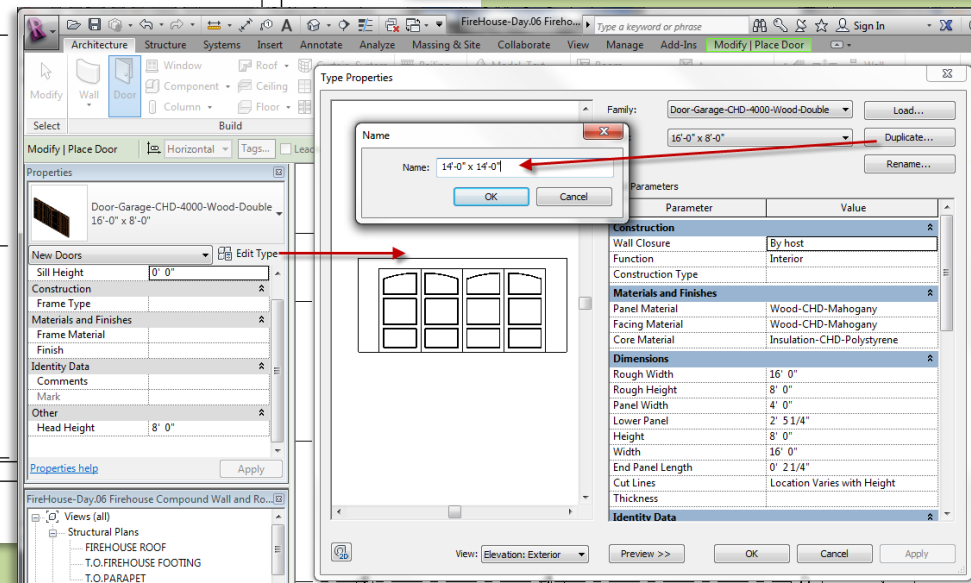
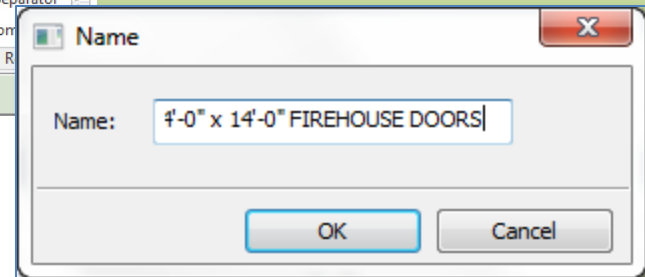
- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction



• 14 x 14 FIREHOUSE DOORS



Parameter	Value
Construction	
Wall Closure	By host
Function	Interior
Construction Type	
Materials and Finishes	
Panel Material	Wood-CHD-Mahogany
Facing Material	Wood-CHD-Mahogany
Core Material	Insulation-CHD-Polystyrene
Dimensions	
Rough Width	16' 0"
Rough Height	8' 0"
Panel Width	4' 0"
Lower Panel	2' 5 1/4"
Height	8' 0"
Width	16' 0"
End Panel Length	0' 2 1/4"
Cut Lines	Location Varies with Height
Thickness	
Identity Data	

Firehouse Doors (Adjust Size)

Day 07 FH Day 04

Overview

- Compound Wall
 - Duplicate
 - Edit Structure
- Split & Edit
- Insert Layer
- Assign Layer
- Reveals
- Sweeps
- Review
- Firehouse Doors
 - Autodesk Seek
 - Download Family
 - Load Family
 - Duplicate
 - Adjust
 - Place & Copy
 - Mirror
 - Add Door

Wrap Up

Revit Introduction

Parameter	Value
Construction	
Wall Closure	By host
Function	Interior
Construction Type	
Materials and Finishes	
Panel Material	Wood-CHD-Mahogany
Facing Material	Wood-CHD-Mahogany
Core Material	Insulation-CHD-Polystyrene
Dimensions	
Rough Width	14' 0"
Rough Height	14' 0"
Panel Width	3' 6"
Lower Panel	2' 5 1/4"
Height	14' 0"
Width	14' 0"
End Panel Length	0' 2 1/4"
Cut Lines	Location Vari
Thickness	
Identiv Data	

Name: 4'-0" x 14'-0" FIREHOUSE DOORS

OK Cancel

• 14 x 14 FIREHOUSE DOORS

Firehouse Doors (Place & Copy)

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure
- Split & Edit
- Insert Layer
- Assign Layer

Reveals

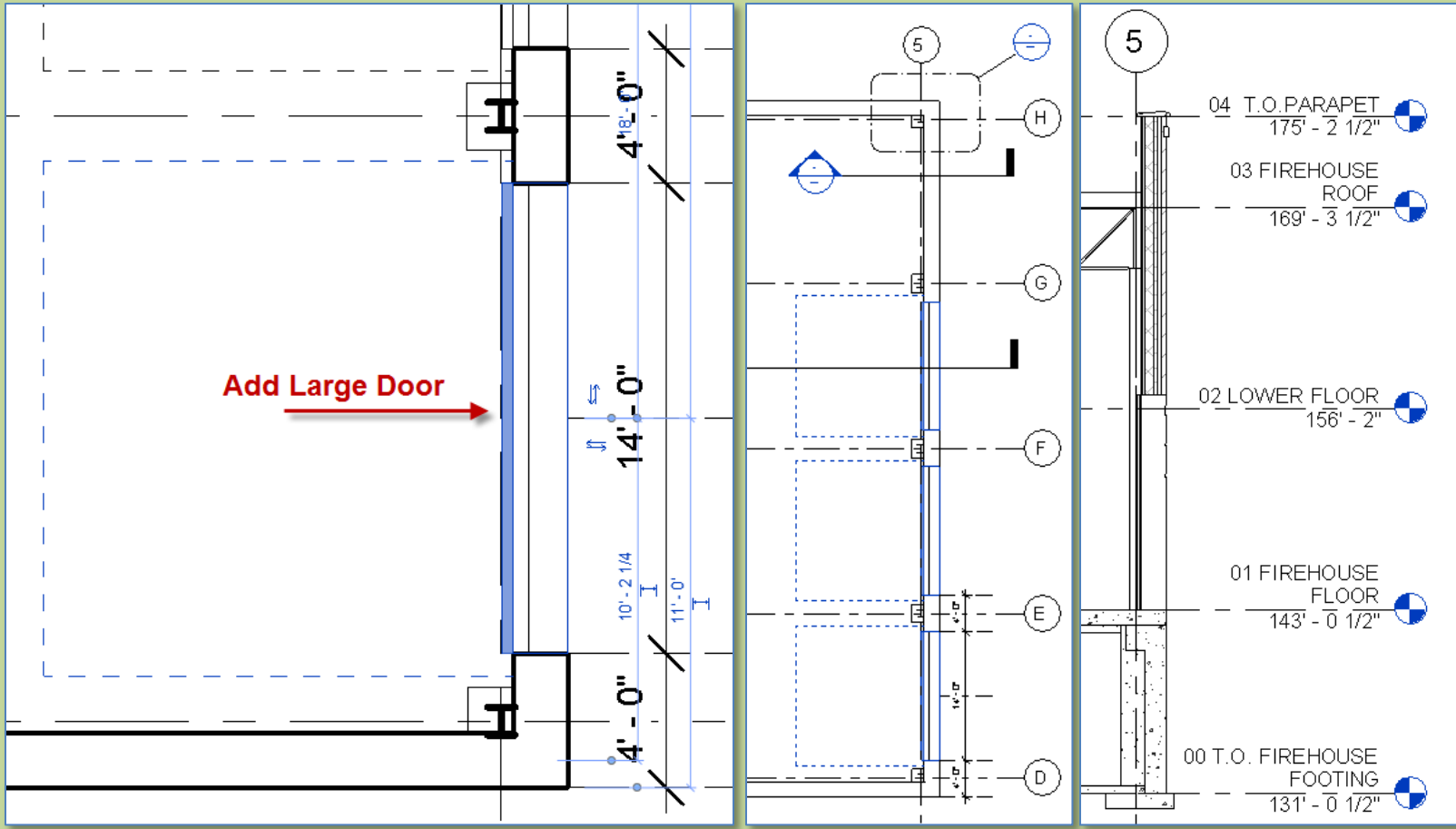
- Sweeps
- Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- **Place & Copy**
- Mirror
- Add Door

Wrap Up

Revit Introduction



• Current Level : Firehouse Floor

Slab on Grade (Top of Firehouse Footing)

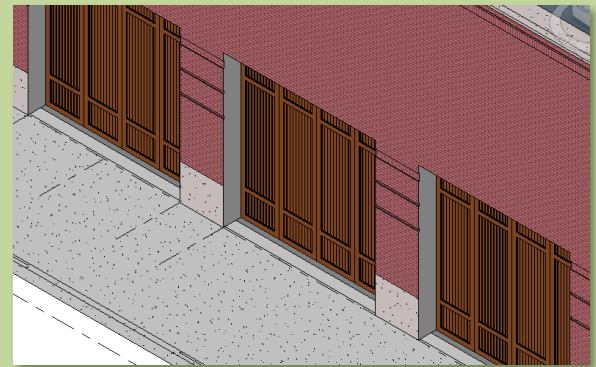
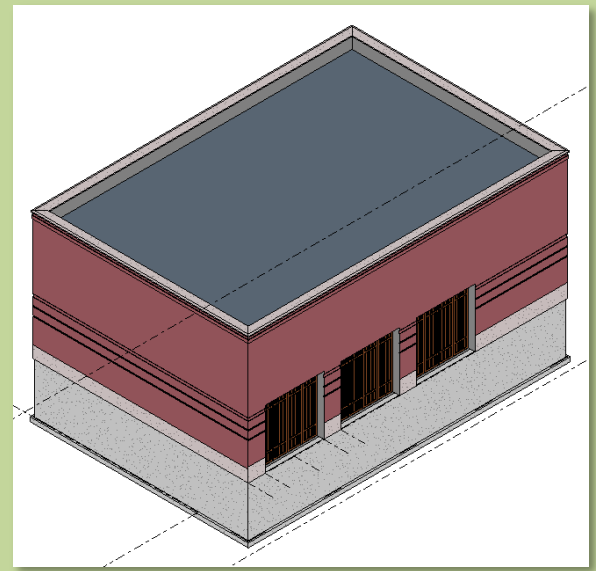
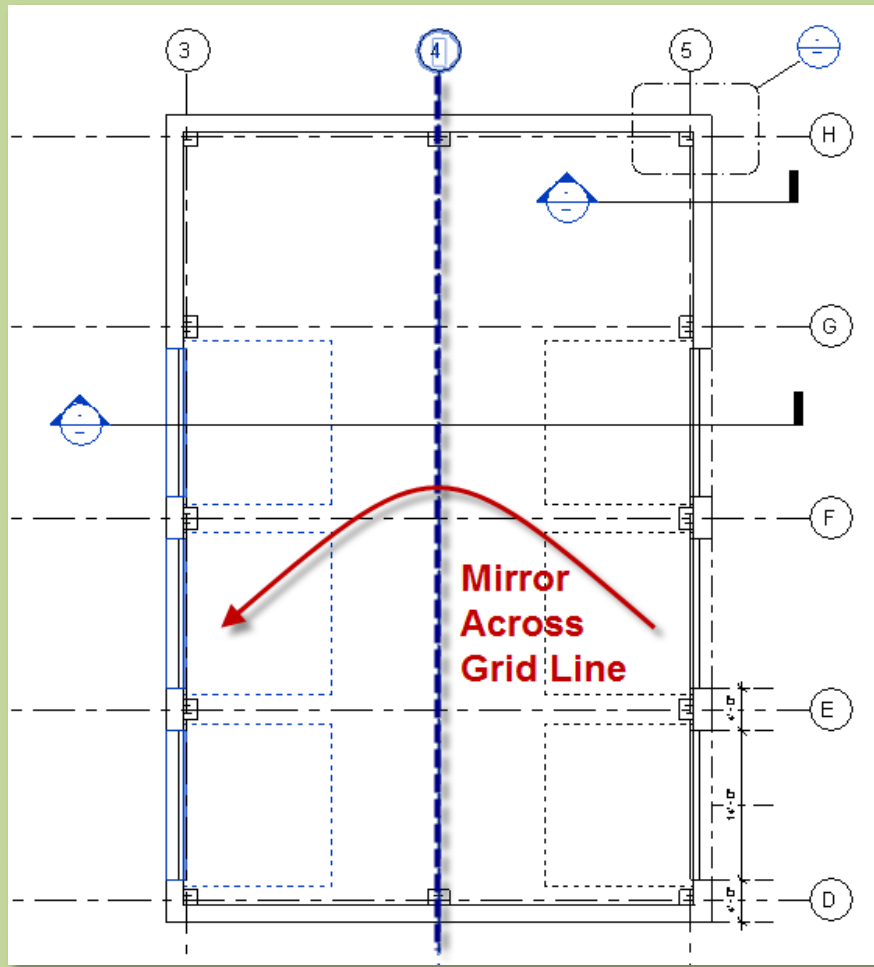
Day 07 FH Day 04

Overview

- Compound Wall
 - Duplicate
 - Edit Structure
 - Split & Edit
 - Insert Layer
 - Assign Layer
 - Reveals
 - Sweeps
 - Review
- Firehouse Doors**
- Autodesk Seek
 - Download Family
 - Load Family
 - Duplicate
 - Adjust
 - Place & Copy
 - Mirror**
 - Add Door

Wrap Up

Revit Introduction



Add Door – Single Flush with Vision Panel

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure

Split & Edit

- Insert Layer
- Assign Layer

Reveals

Sweeps

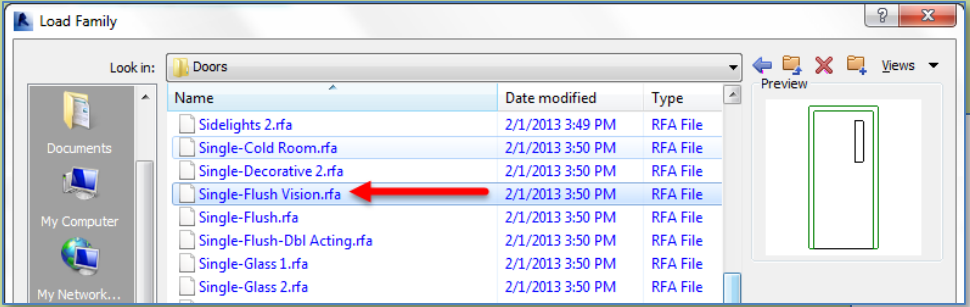
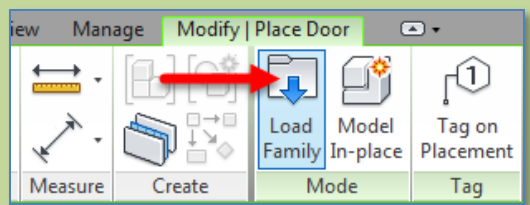
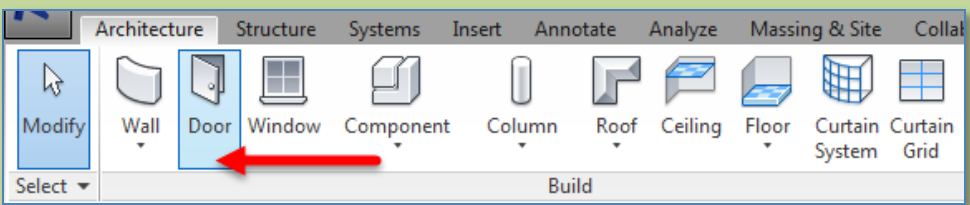
Review

Firehouse Doors

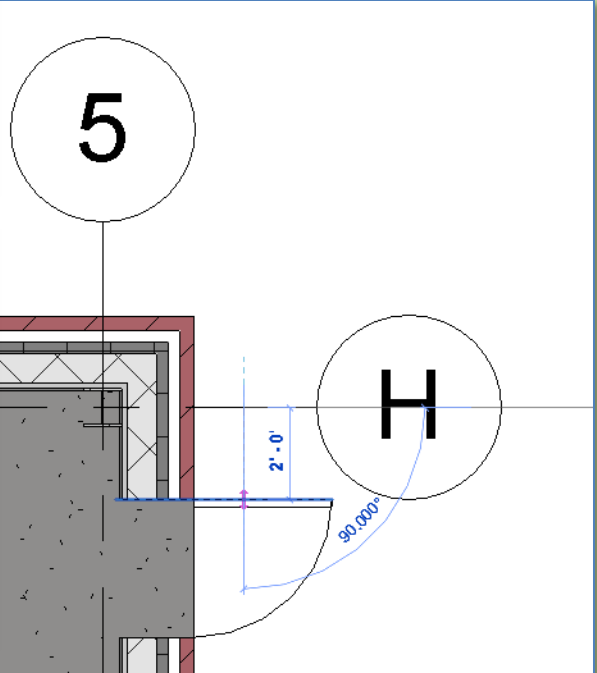
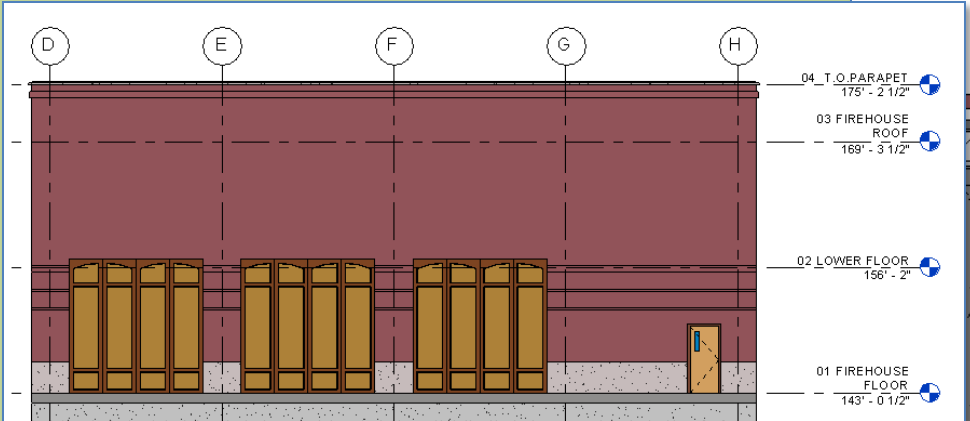
- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit Introduction



- Load Family
- Single-Flush Vision



Day 6 - Wrap Up

Day 07 FH Day 04

Overview

Compound Wall

- Duplicate
- Edit Structure
- Split & Edit
- Insert Layer
- Assign Layer

Reveals

Sweeps

Review

Firehouse Doors

- Autodesk Seek
- Download Family
- Load Family
- Duplicate
- Adjust
- Place & Copy
- Mirror
- Add Door

Wrap Up

Revit
Computers 3

- **Compound Wall**
 - Duplicate & Rename
 - Split & Assign Material
 - Add Reveals
 - Add Sweeps
 - **Firehouse Doors**
 - Autodesk Seek
 - Download and Use Family
- ### Future Ideas
- Create a custom door family