

ARCH 451: PRESENTING IN REVIT
GRAPHICS, SECTION BOXES, AND WALL SECTIONS

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GRAPHICS IN THE PROJECT FILE

Properties

3D View

3D View: SE Axonometric Edit Type

Graphics

View Scale 1/4" = 1'-0"

Scale Value 1: 48

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on Sheet None

Visibility/Graphic... Edit...

Graphic Display ... Edit...

Discipline Coordination

Show Hidden Lin... By Discipline

Default Analysis ... None

Sun Path

Extents

Crop View

Crop Region Visi...

Annotation Crop

Far Clip Active

Properties help Apply

Project Browser - 20180910_Structure_Be...

- Level 1
- Site
- Ceiling Plans
 - Level 1
- 3D Views
 - SE Axonometric (3D)**
- Elevations (Building Elevation)
- Sections (Building Section)
 - Section 1
 - Section 2
 - Section 3
 - Section 4
 - Section 5
- Legends
- Schedules/Quantities
- Sheets (all)
 - A1 - Section 1
 - A2 - Section 2
 - A3 - Section 3
 - A4 - Section 4

- Fill Patterns
- Material Assets
- Analysis Display Styles
- Sheet Issues/Revisions
- Line Styles
- Line Weights**
- Line Patterns
- Halftone / Underlay
- Sun Settings
- Callout Tags
- Elevation Tags
- Section Tags
- Arrowheads
- Temporary Dimensions
- Detail Level
- Assembly Code

Line Weights

Creates or modifies line weights.

You can control line weights for model lines, perspective lines, and annotation lines. For model elements, line weight is dependent on the view scale.

Press F1 for more help

Properties

3D View

3D View: SE Axonometric Edit Type

Graphics

View Scale 1/4" = 1'-0"

Scale Value 1: 48

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on Sheet None

Visibility/Graphic... Edit...

Graphic Display... Edit...

Discipline Coordination

Show Hidden Lin... By Discipline

Default Analysis... None

Sun Path

Extents

Crop View

Crop Region Visi...

Annotation Crop

Far Clip Active

Properties help

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Line Weights

Model Line Weights Perspective Line Weights Annotation Line Weights

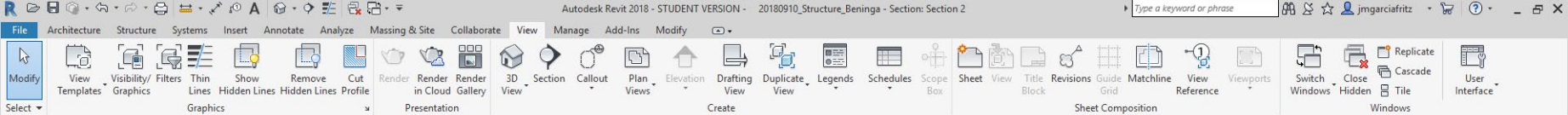
Model line weights control line widths for objects like walls and windows in orthographic views. They depend on view scale.

There are 16 model line weights. Each can be given a size for each view scale. Click on a cell to change line width.

	1" = 1'-0"	1/2" = 1'-0"	1/4" = 1'-0"	1/8" = 1'-0"	1/16" = 1'-0"	1/32" = 1'-0"	Add...	Delete
1	0.0030"	0.0030"	0.0010"	0.0030"	0.0030"	0.0030"		
2	0.0070"	0.0070"	0.0035"	0.0050"	0.0030"	0.0030"		
3	0.0120"	0.0120"	0.0069"	0.0080"	0.0040"	0.0030"		
4	0.0180"	0.0180"	0.0104"	0.0120"	0.0060"	0.0040"		
5	0.0250"	0.0250"	0.0139"	0.0180"	0.0090"	0.0060"		
6	0.0350"	0.0350"	0.0300"	0.0250"	0.0130"	0.0090"		
7	0.0500"	0.0500"	0.0420"	0.0350"	0.0180"	0.0130"		
8	0.0750"	0.0750"	0.0600"	0.0500"	0.0250"	0.0180"		
9	0.1000"	0.1000"	0.0900"	0.0750"	0.0350"	0.0250"		
10	0.1350"	0.1350"	0.1200"	0.1000"	0.0500"	0.0350"		
11	0.1750"	0.1750"	0.1550"	0.1350"	0.0650"	0.0500"		
12	0.2250"	0.2250"	0.2000"	0.1750"	0.0850"	0.0650"		
13	0.3000"	0.3000"	0.2500"	0.2250"	0.1100"	0.0850"		
14	0.3000"	0.3000"	0.3000"	0.3000"	0.1500"	0.1100"		
15	0.4000"	0.4000"	0.4000"	0.4000"	0.2000"	0.1500"		
16	0.5000"	0.5000"	0.5000"	0.5000"	0.2500"	0.2000"		

OK Cancel Apply Help

GRAPHICS IN THE SECTION VIEW



Properties

Section
Building Section

Section: Section 2 Edit Type

Graphics

View Scale: 1/4" = 1'-0"

Scale Value: 1: 48

Display Model: Normal

Detail Level: Fine

Parts Visibility: Show Original

Detail Number: 1

Rotation on S...: None

Visibility/Grap...: Edit...

Graphic Displa...: Edit...

Hide at scales ...: 1/8" = 1'-0"

Discipline: Architectural

Show Hidden ...: By Discipline

Color Scheme...: Background

[Properties help](#) Apply

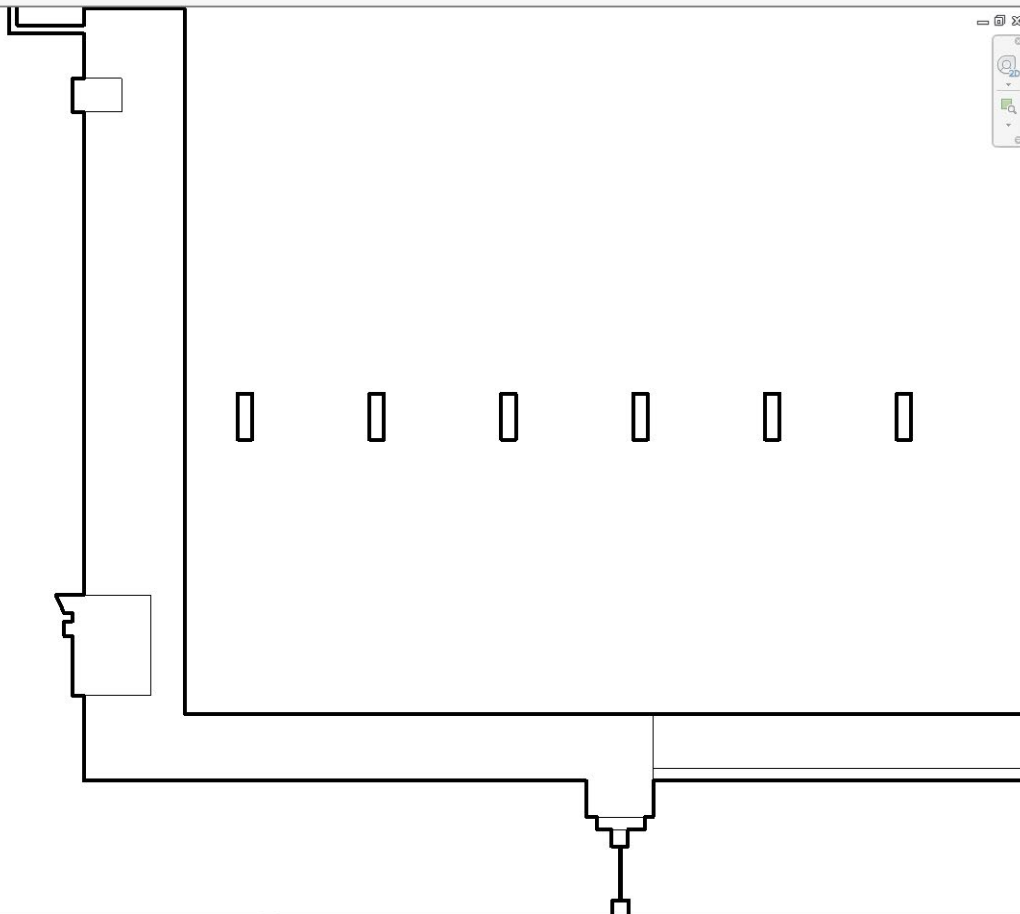
Project Browser - 20180910_Structur...

- Level 1
- Site
- Ceiling Plans
 - Level 1
- 3D Views
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- Elevations (Building Elevation)
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 - Section 3
 - Section 4
 - Section 5
- Legends
- Schedules/Quantities
- Sheets (all)
 - A1 - Section 1
 - A2 - Section 2
 - A3 - Section 3

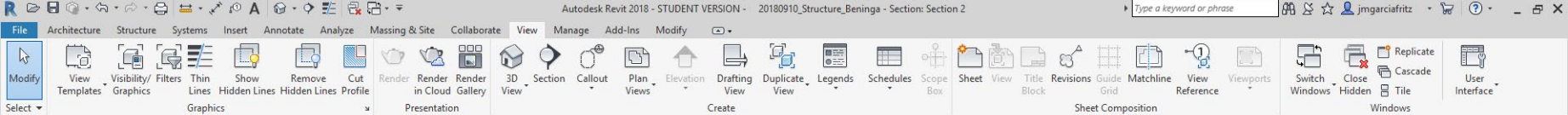
☐ Coarse

☐ Medium

☒ Fine



DETAIL LEVEL
Change the Detail Level to Fine.



Properties

Section Building Section

Section: Section 2 Edit Type

Graphics

View Scale 1/4" = 1'-0"

Scale Value 1: 48

Display Model Normal

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on S... None

Visibility/Grap... Edit...

Graphic Displa... Edit...

Hide at scales ... 1/8" = 1'-0"

Discipline Architectural

Show Hidden ... By Discipline

Color Scheme... Background

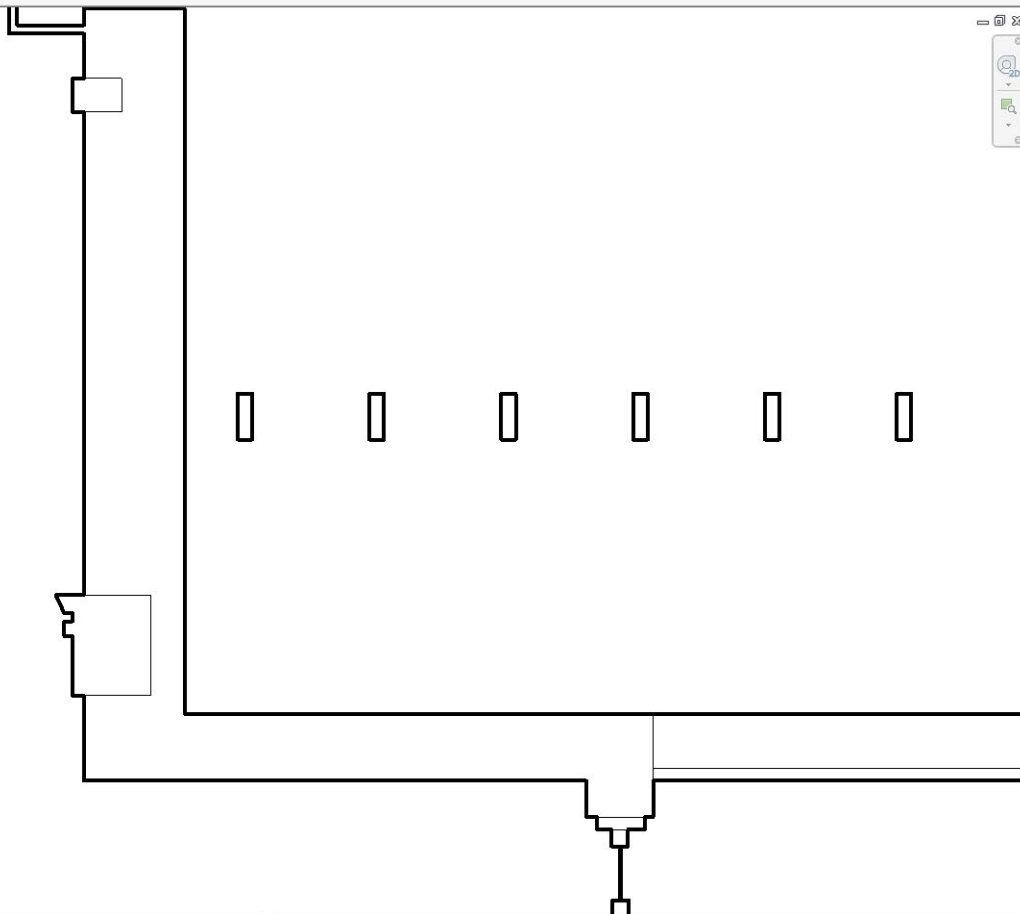
Properties help Apply

Project Browser - 20180910_Structur...

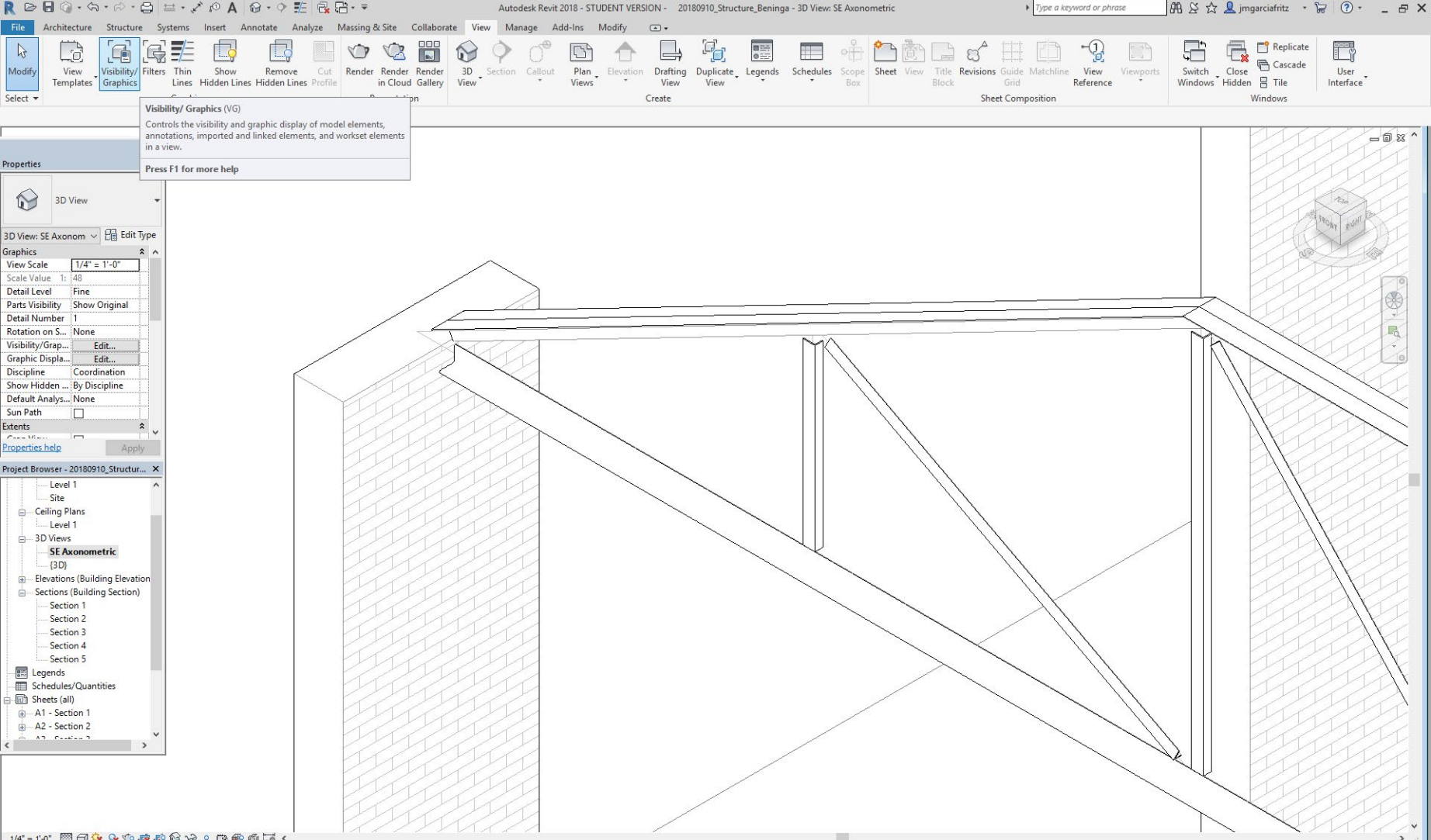
- Level 1
- Site
- Ceiling Plans
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- Sections (Building Section)
 - Section 1
 - Section 2**
 - Section 3
 - Section 4
 - Section 5
- Legends
 - Sch
 - She
 - A1
 - A2
 - A3

Graphic Display Options...

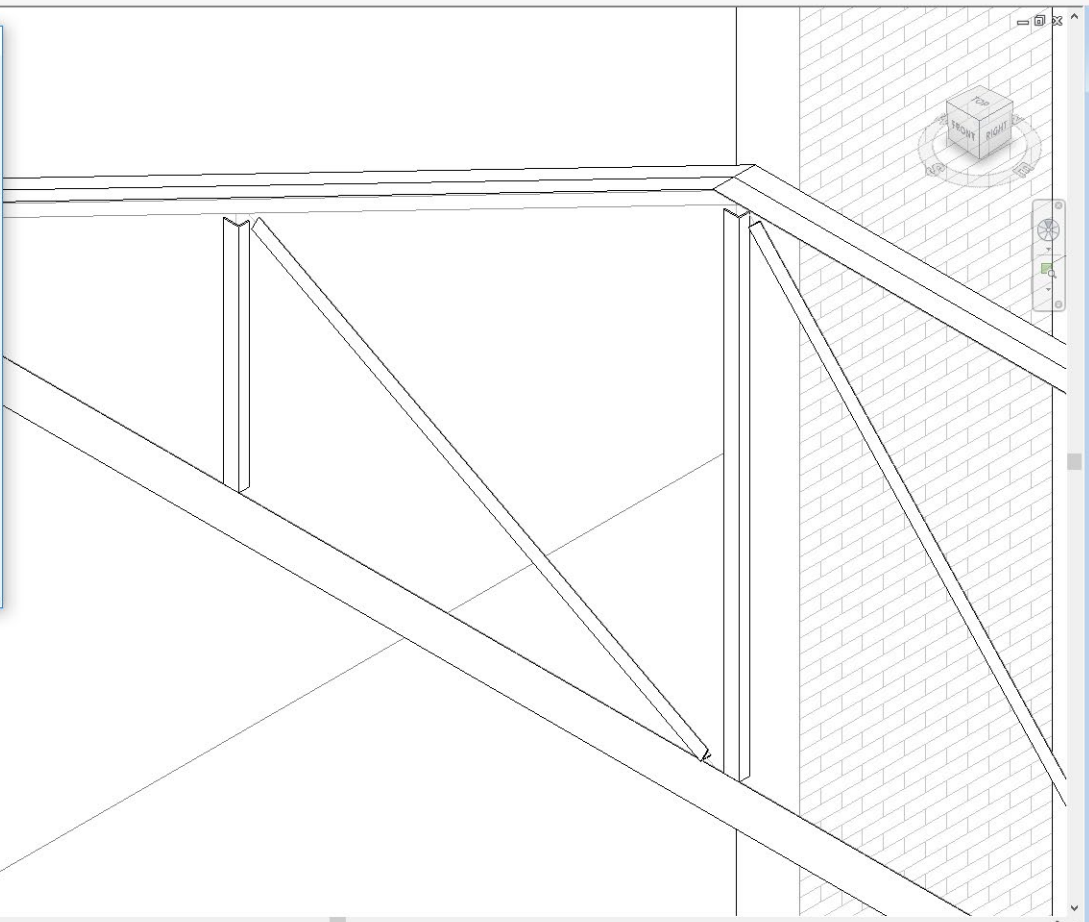
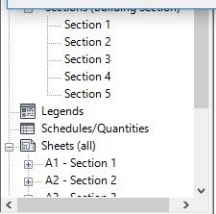
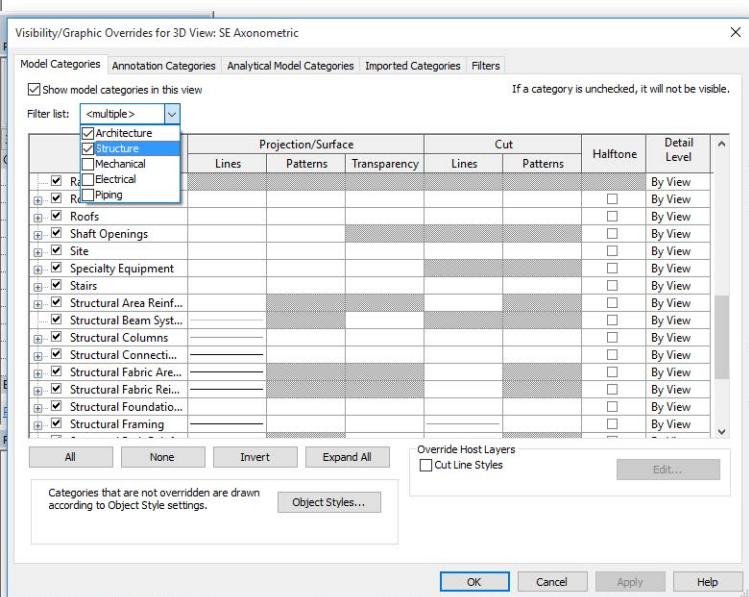
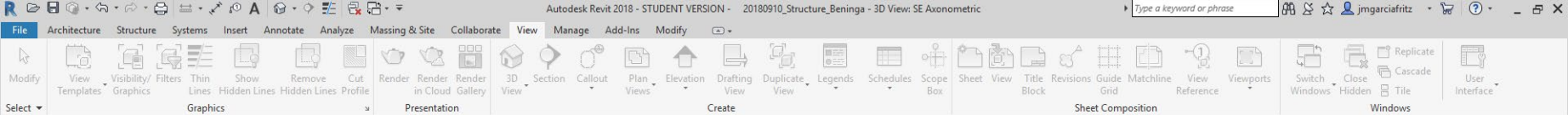
- Wireframe
- Hidden Line**
- Shaded
- Consistent Colors
- Realistic
- Rev Trace



VISUAL STYLE
Change the Visual Style to Hidden Line.

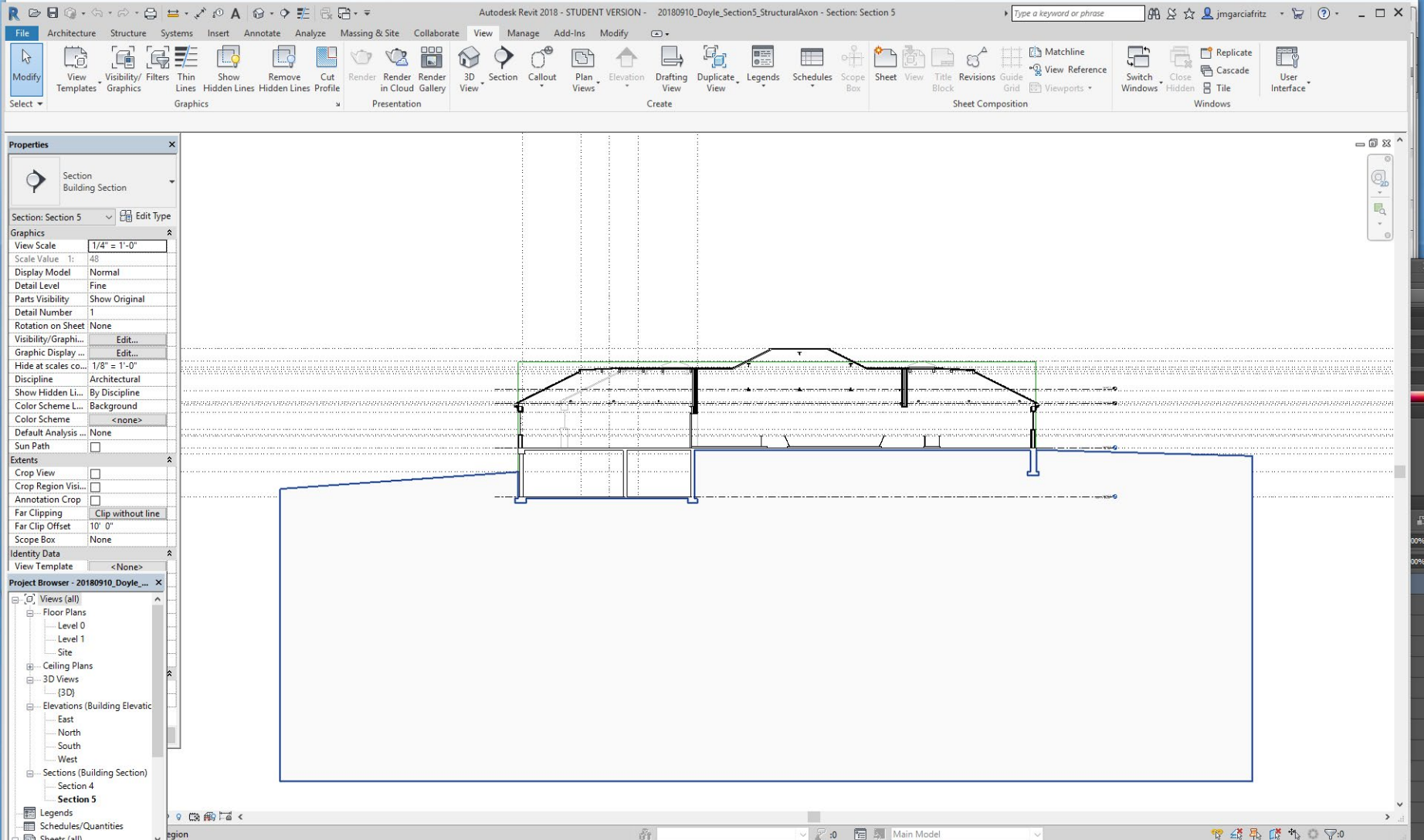


VISIBILITY GRAPHICS
Changes the Graphics in the View.



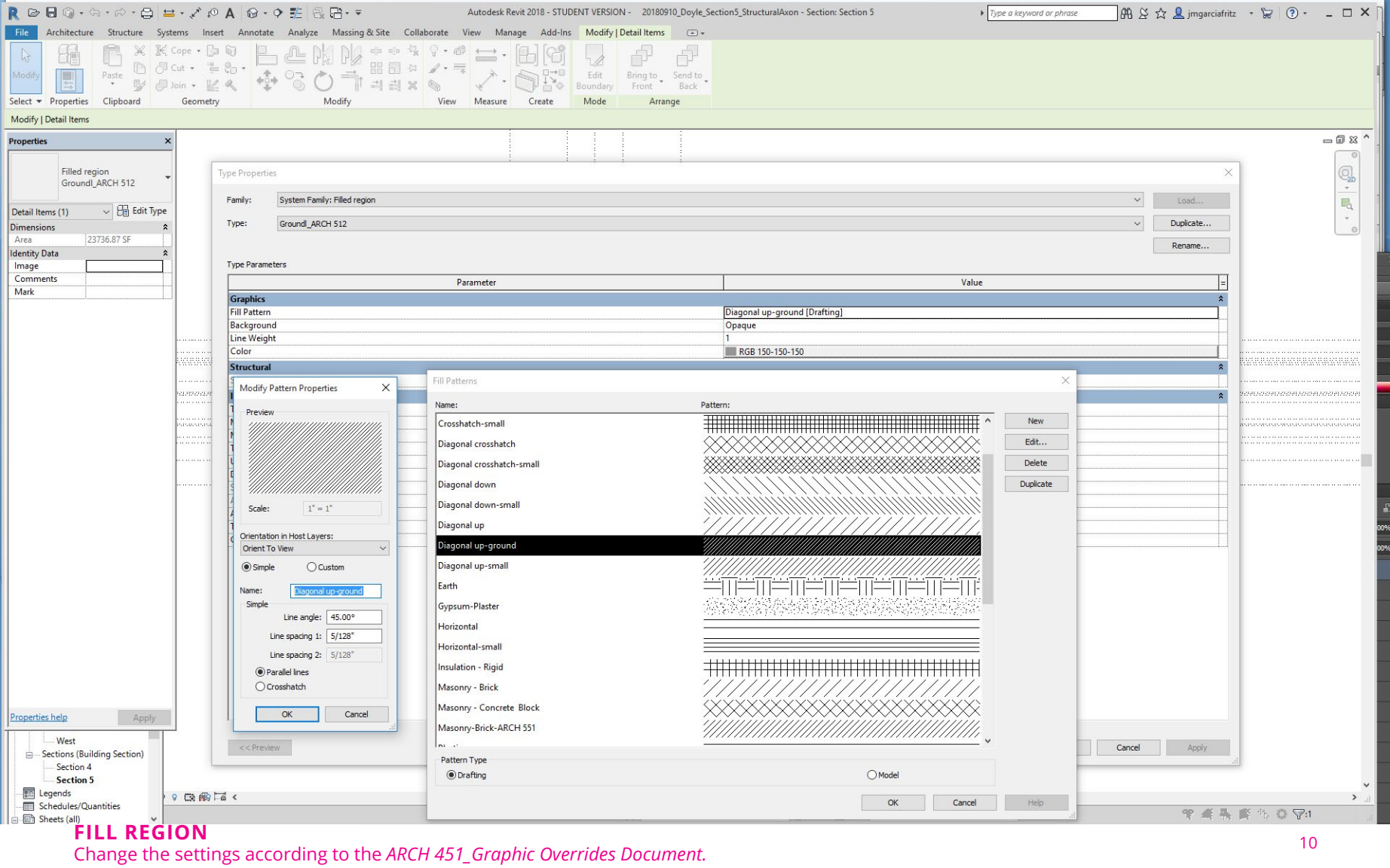
VISIBILITY GRAPHICS

Make sure Architecture and Structure are checked. Change the Visibility Graphics according to ARCH 451_Graphic Overrides Document.



FILL REGION

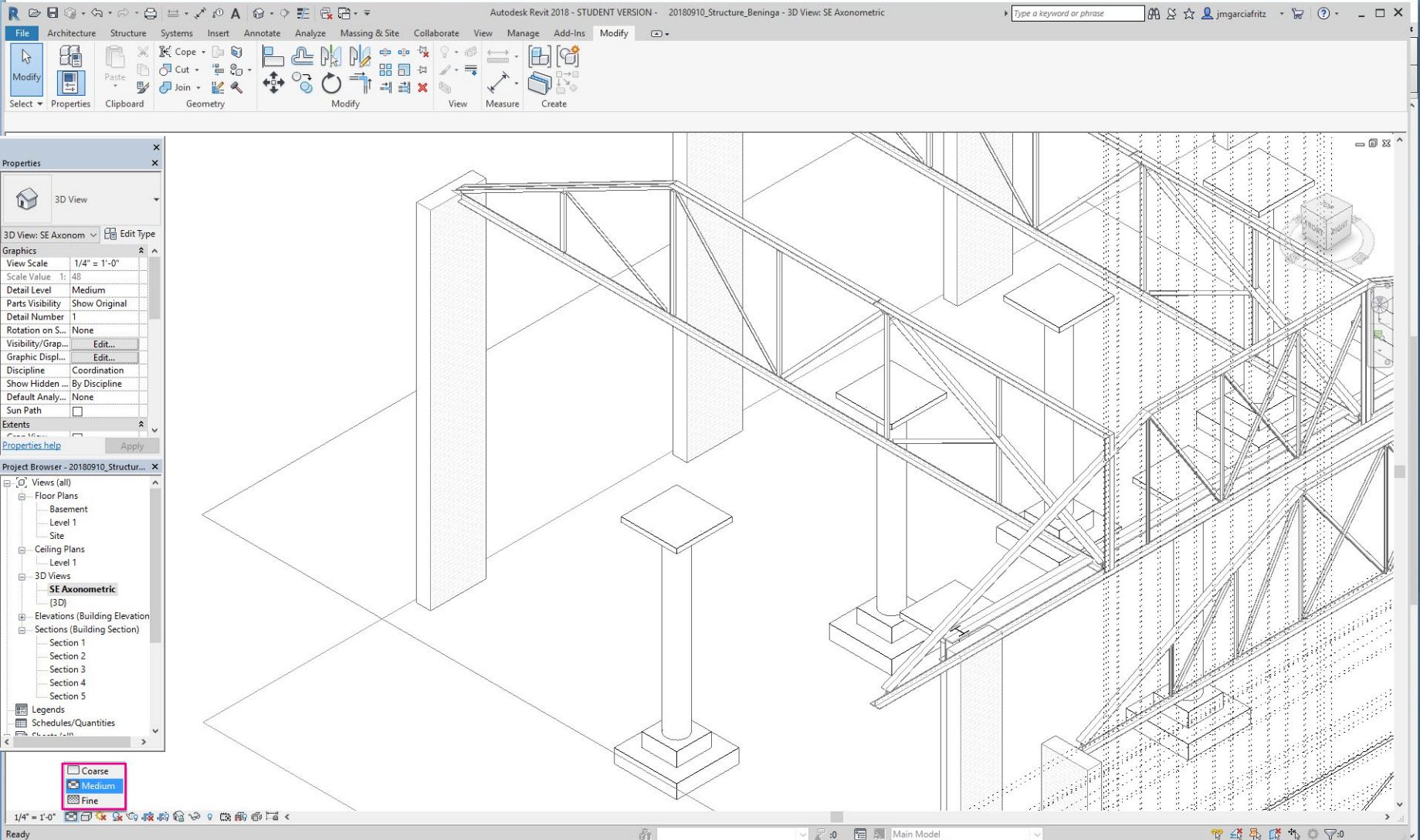
Hover over the line and hit the TAB key to select the correct region.



FILL REGION

Change the settings according to the ARCH 451_Graphic Overrides Document.

GRAPHICS IN 3D VIEW



DETAIL LEVEL
Change the Detail Level to Medium.

Properties

3D View

3D View: SE Axonom Edit Type

Graphics

View Scale 1/4" = 1'-0"

Scale Value 1: 48

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on S... None

Visibility/Grap... Edit...

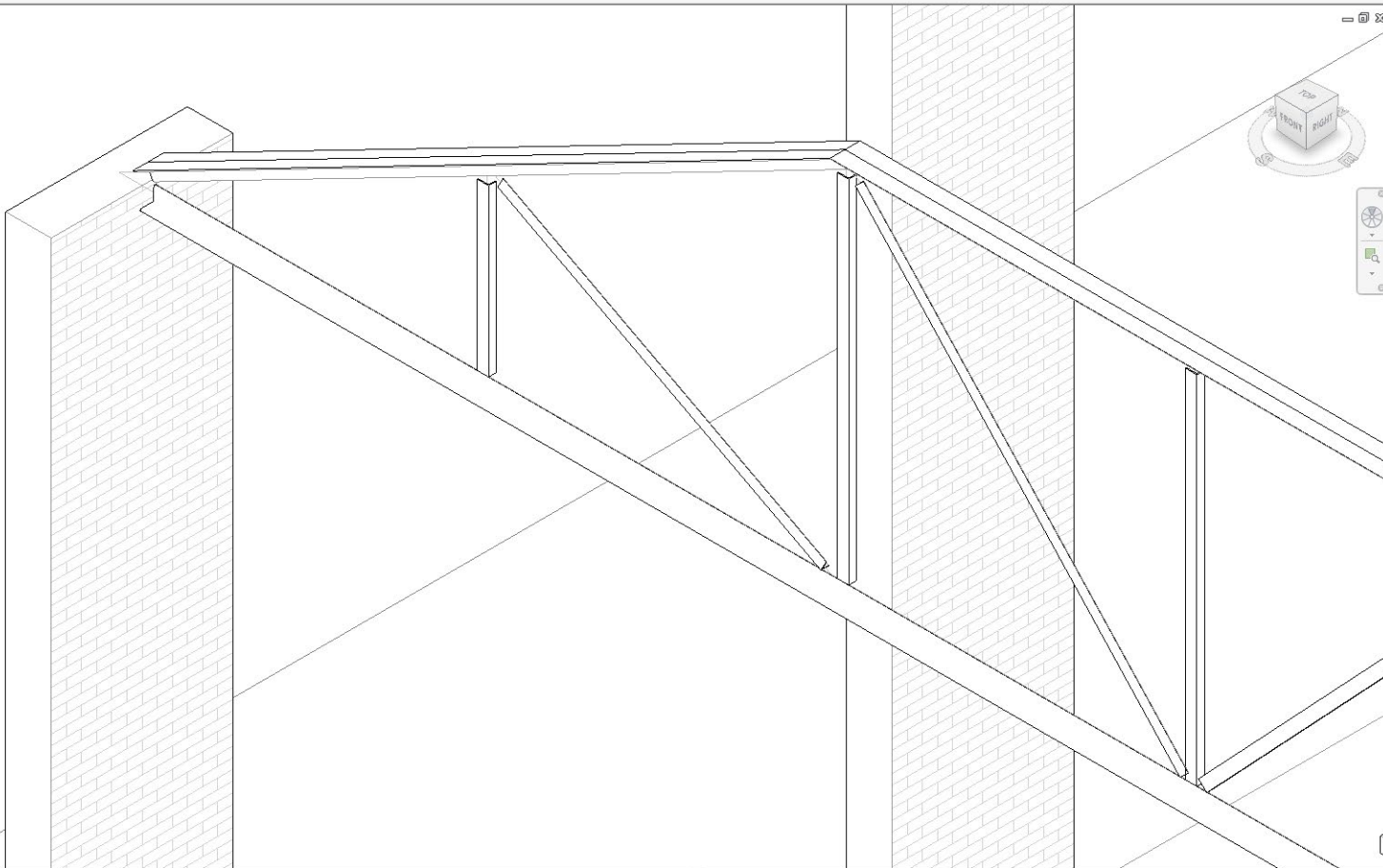
Properties help Apply

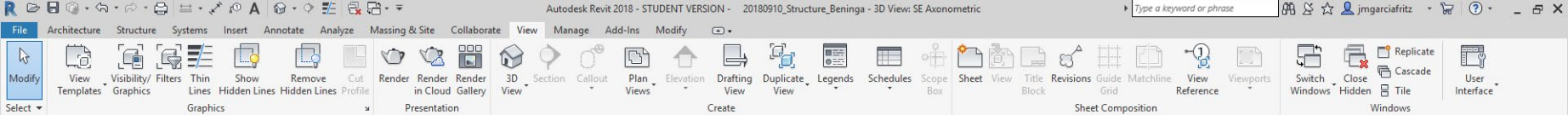
Project Browser - 20180910_Structur...

- Level 1
 - Site
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- Sections (Building Section)

Graphic Display Options...

- Wireframe
- Hidden Line
- Shaded
- Consistent Colors
- Realistic
- Ray Trace





Properties

3D View

3D View: SE Axonometric Edit Type

Graphics

View Scale	1/4" = 1'-0"
Scale Value	1:48
Detail Level	Fine
Parts Visibility	Show Original
Detail Number	1
Rotation on S...	None
Visibility/Grp...	Edit...
Graphic Displa...	Edit...
Discipline	Coordination
Show Hidden ...	By Discipline
Default Analys...	None
Sun Path	<input type="checkbox"/>

Extents

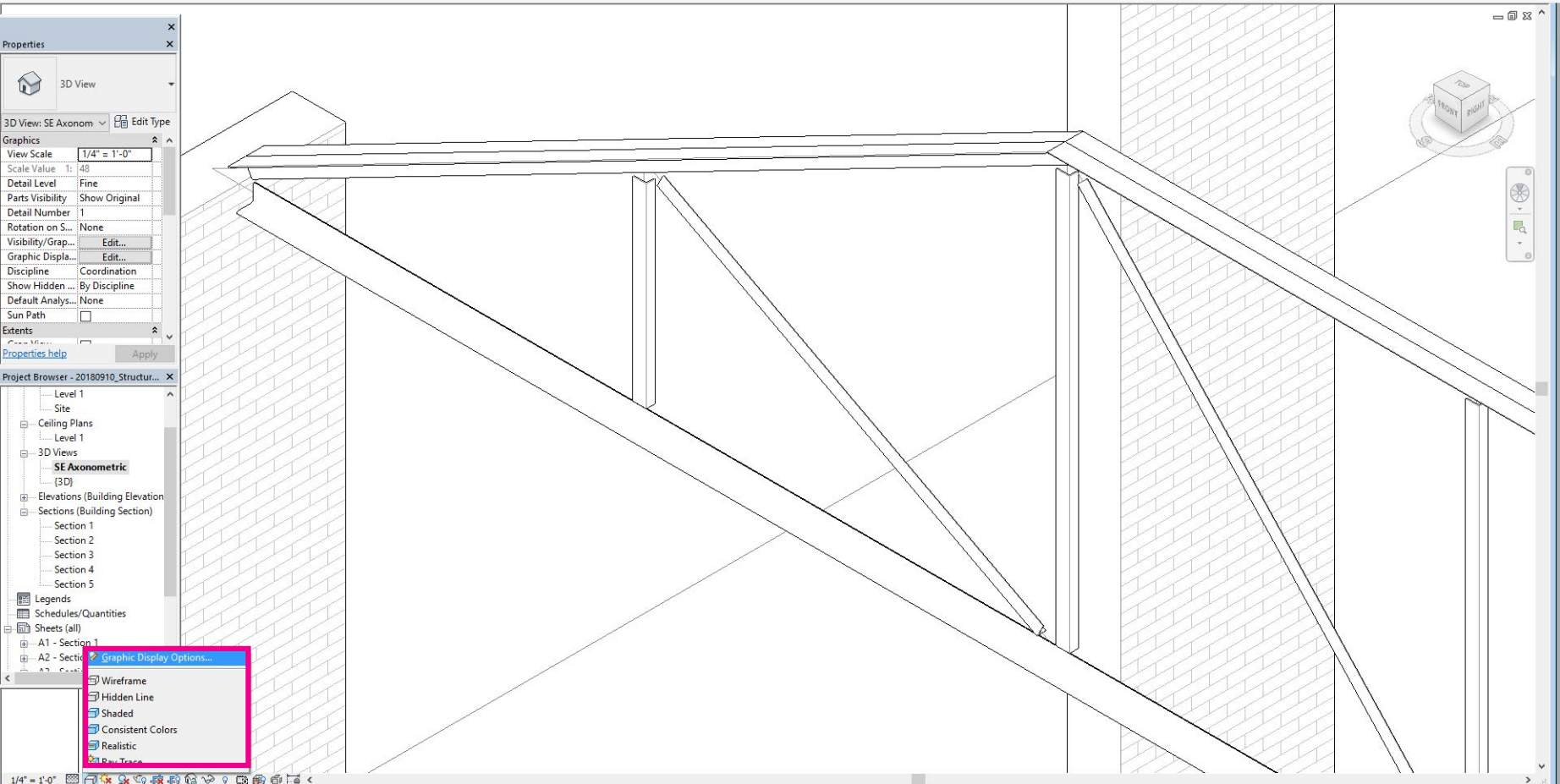
Properties help Apply

Project Browser - 20180910_Structur...

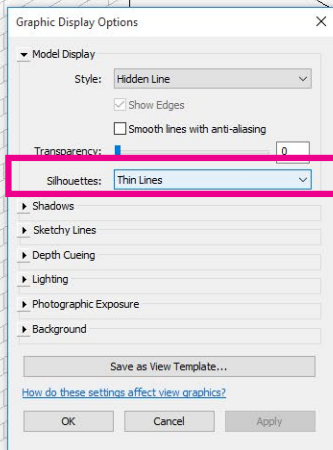
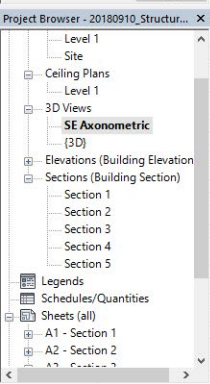
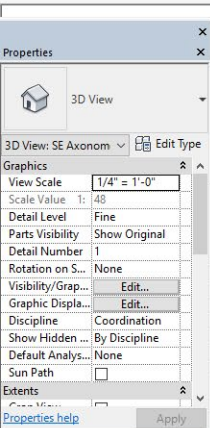
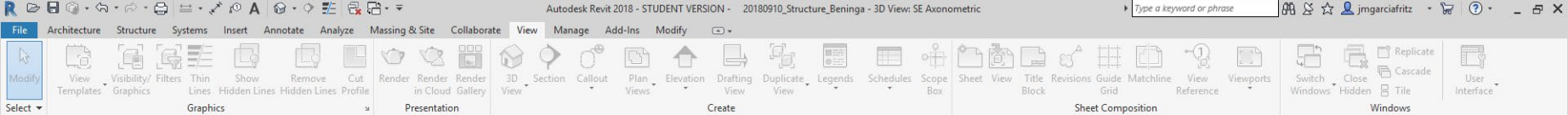
- Level 1
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Graphic Display Options...

- ☒ Wireframe
- ☐ Hidden Line
- ☐ Shaded
- ☐ Consistent Colors
- ☐ Realistic
- ☐ 3D Revit Trace

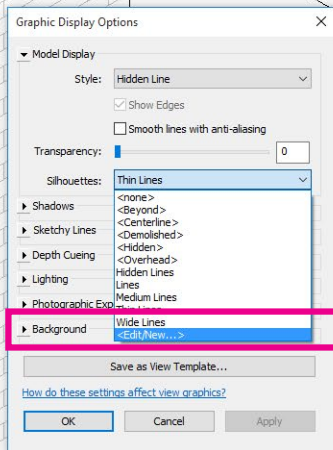
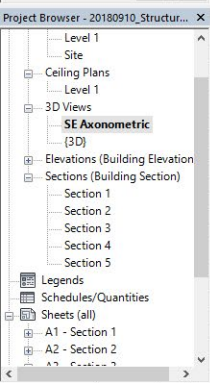
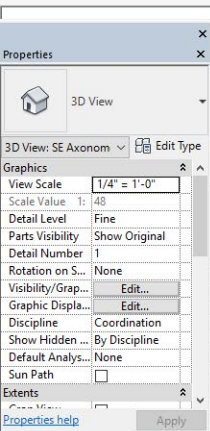
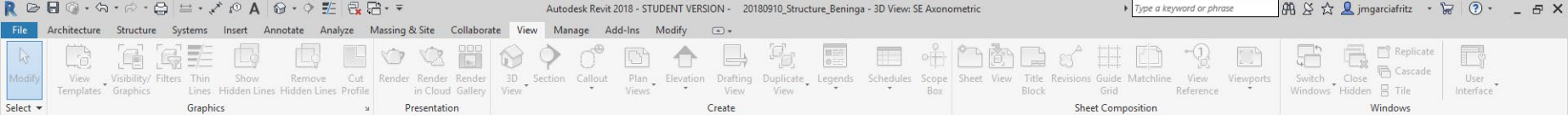


VISUAL STYLE
Click on Graphic Display Options.



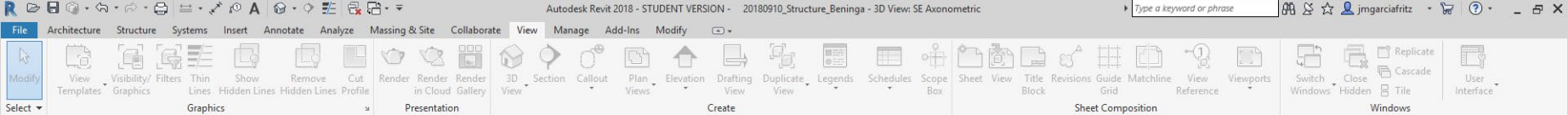
VISUAL STYLE

Select Think Lines for the Silhouettes.



VISUAL STYLE

Edit the Thin Lines by selecting Edit/New.



Properties

3D View

3D View: SE Axonometric Edit Type

Graphics

View Scale 1/4" = 1'-0"

Scale Value 1: .48

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on S... None

Visibility/Grap... Edit...

Graphic Displa... Edit...

Line Styles

Line Styles

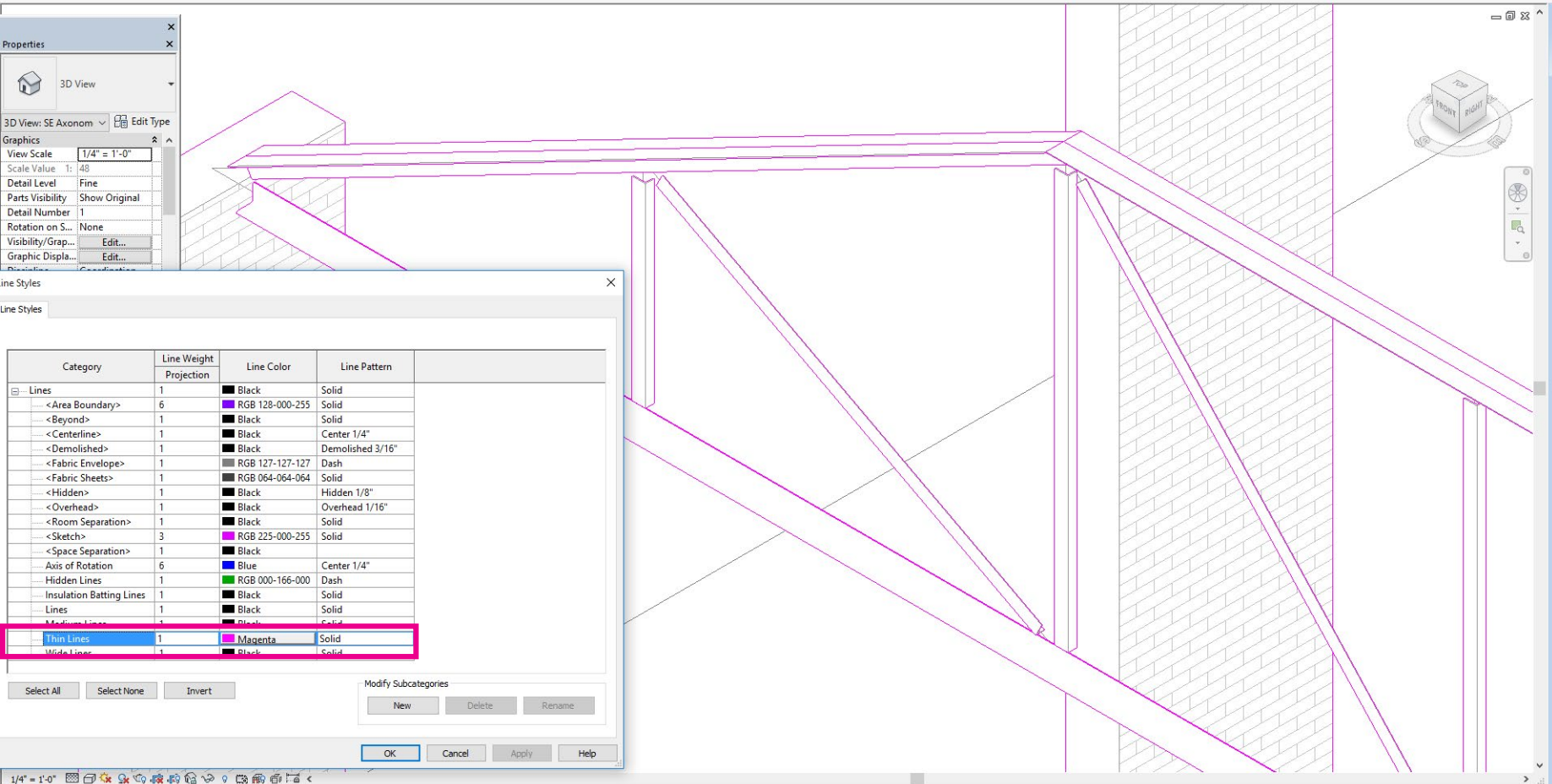
Category	Line Weight	Line Color	Line Pattern
Lines	1	Black	Solid
<Area Boundary>	6	RGB 128-000-255	Solid
<Beyond>	1	Black	Solid
<Centerline>	1	Black	Center 1/4"
<Demolished>	1	Black	Demolished 3/16"
<Fabric Envelope>	1	RGB 127-127-127	Dash
<Fabric Sheets>	1	RGB 064-064-064	Solid
<Hidden>	1	Black	Hidden 1/8"
<Overhead>	1	Black	Overhead 1/16"
<Room Separation>	1	Black	Solid
<Sketch>	3	RGB 225-000-255	Solid
<Space Separation>	1	Black	Solid
Axis of Rotation	6	Blue	Center 1/4"
Hidden Lines	1	RGB 000-166-000	Dash
Insulation Batting Lines	1	Black	Solid
Lines	1	Black	Solid
Medium Lines	4	Black	Solid
Thin Lines	1	Magenta	Solid
Wide Lines	4	Black	Solid

Select All Select None Invert

Modify Subcategories

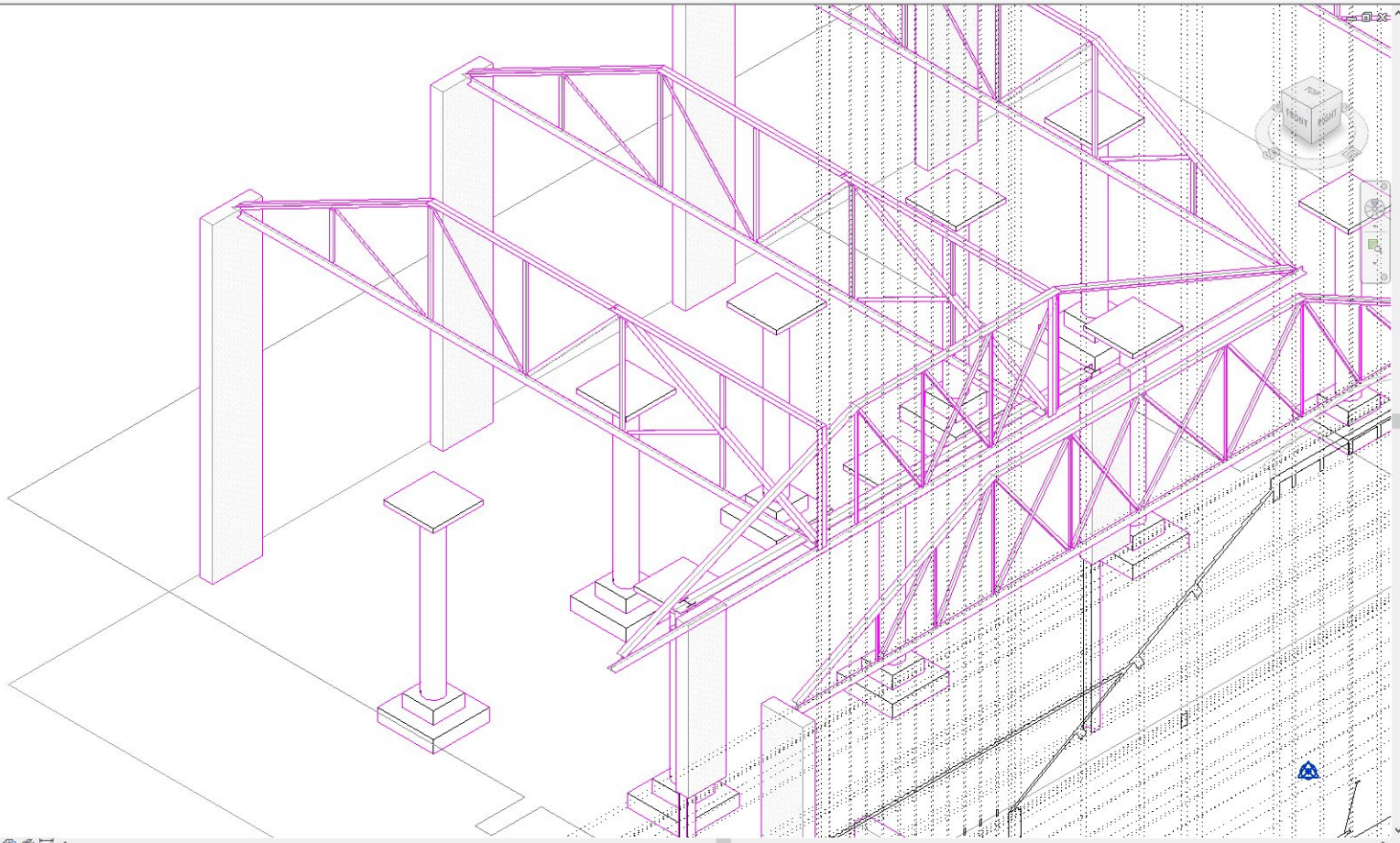
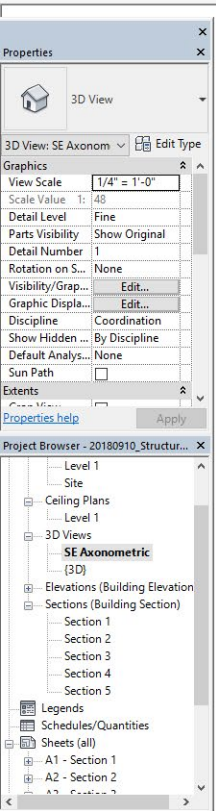
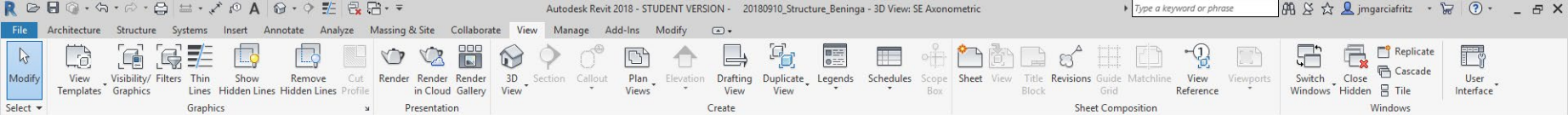
New Delete Rename

OK Cancel Apply Help



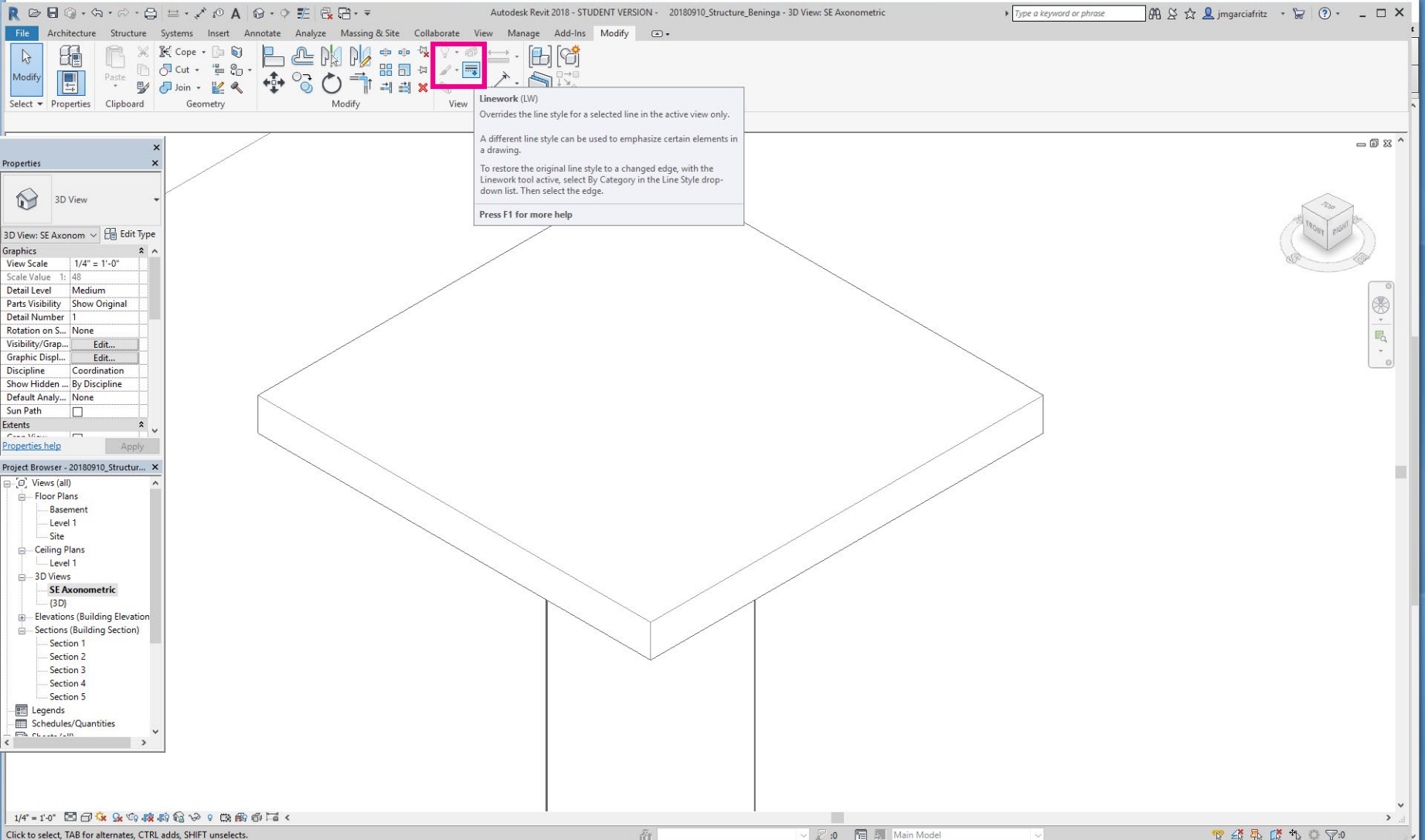
VISUAL STYLE

Change the settings according to the ARCH 451_Graphic Overrides Document.



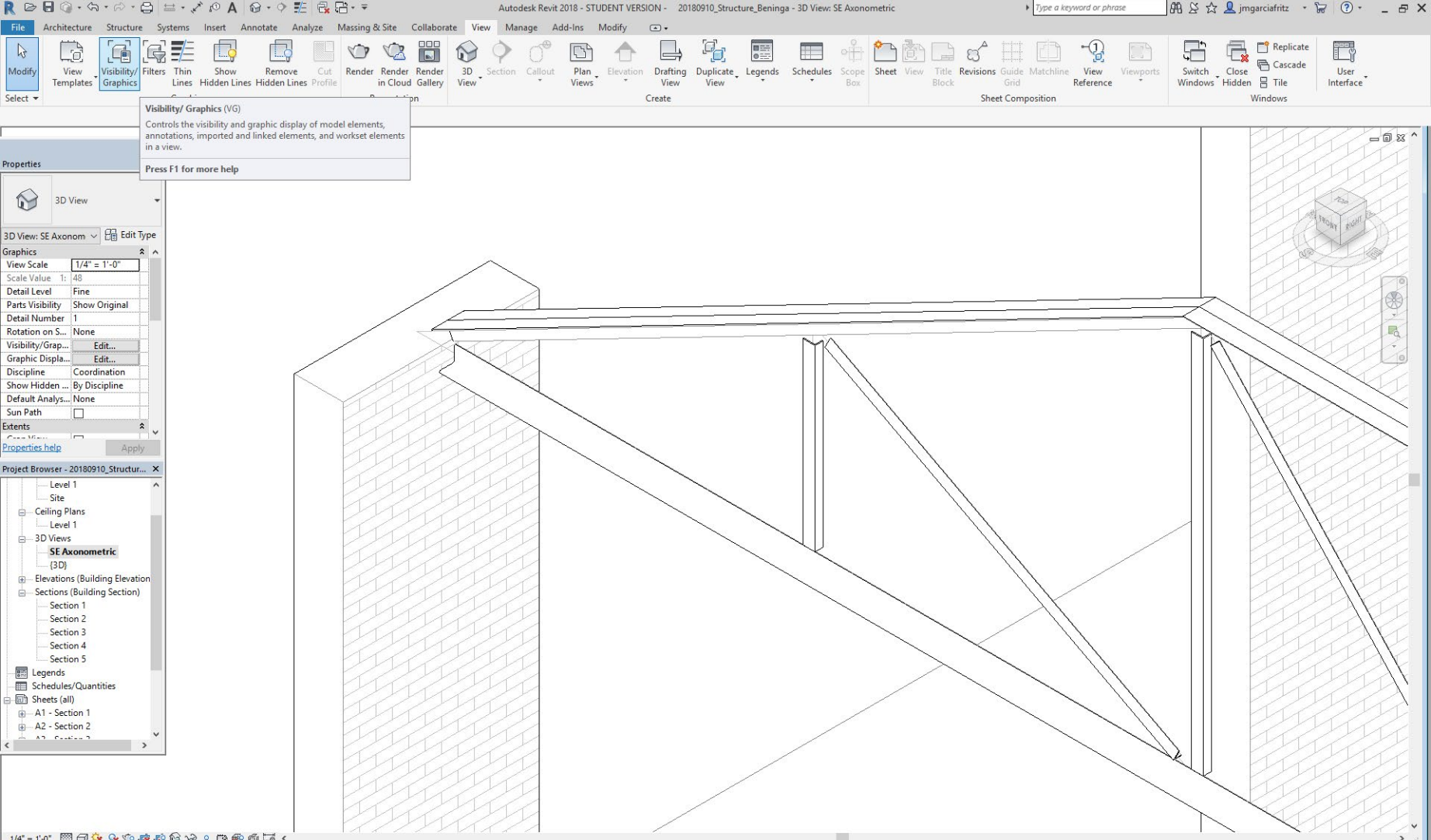
VISUAL STYLE

The Silhouettes will be changed for the Axonometric View.

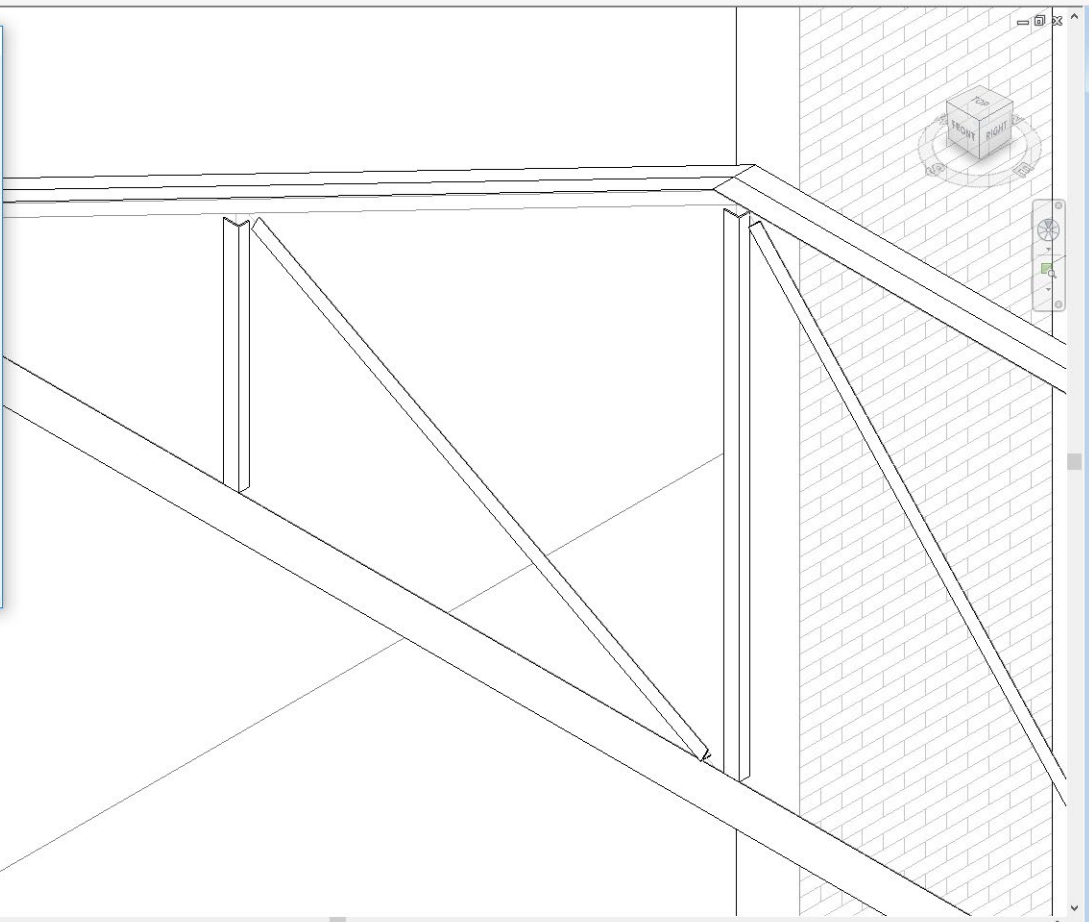
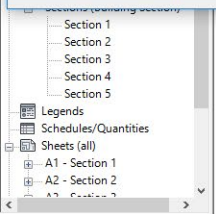
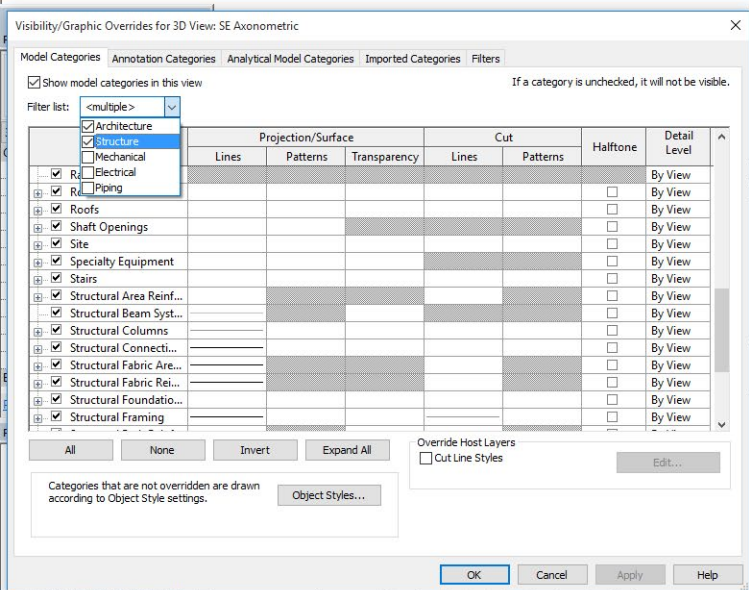
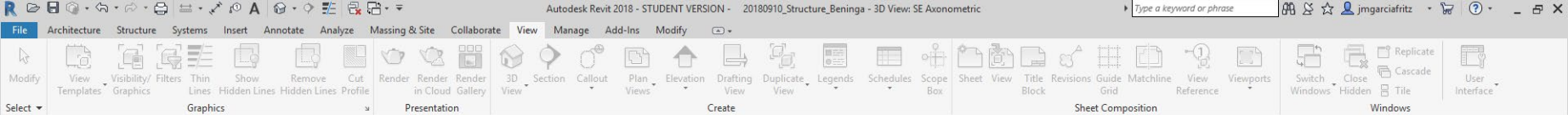


VISUAL STYLE

To remove a line as a silhouette go to Modify > Linework and select "Not Silhouette".

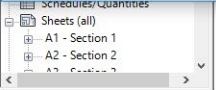
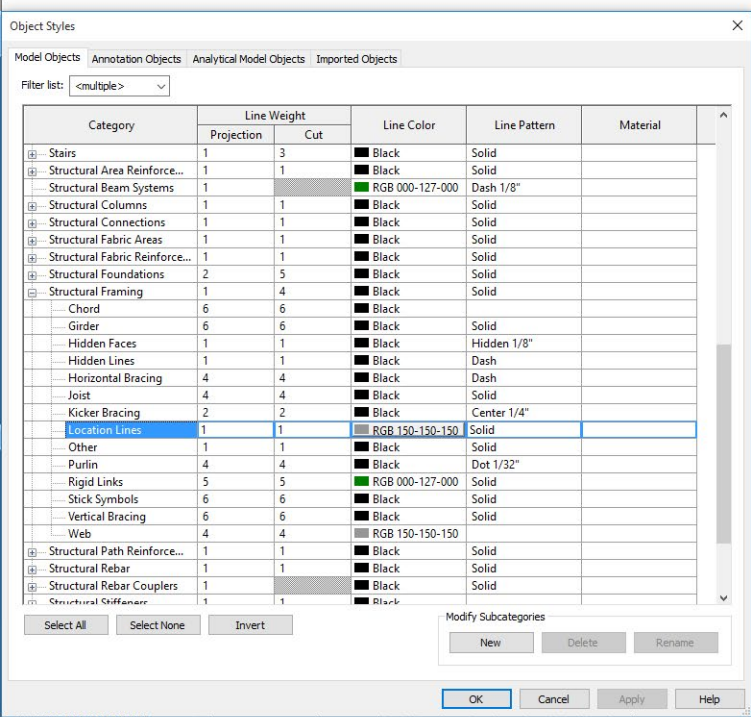
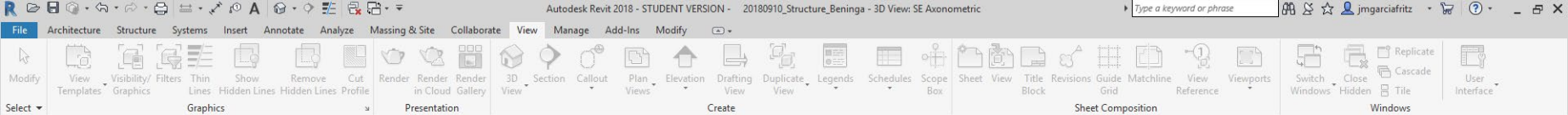


VISIBILITY GRAPHICS
Changes the Graphics in the View.



VISIBILITY GRAPHICS

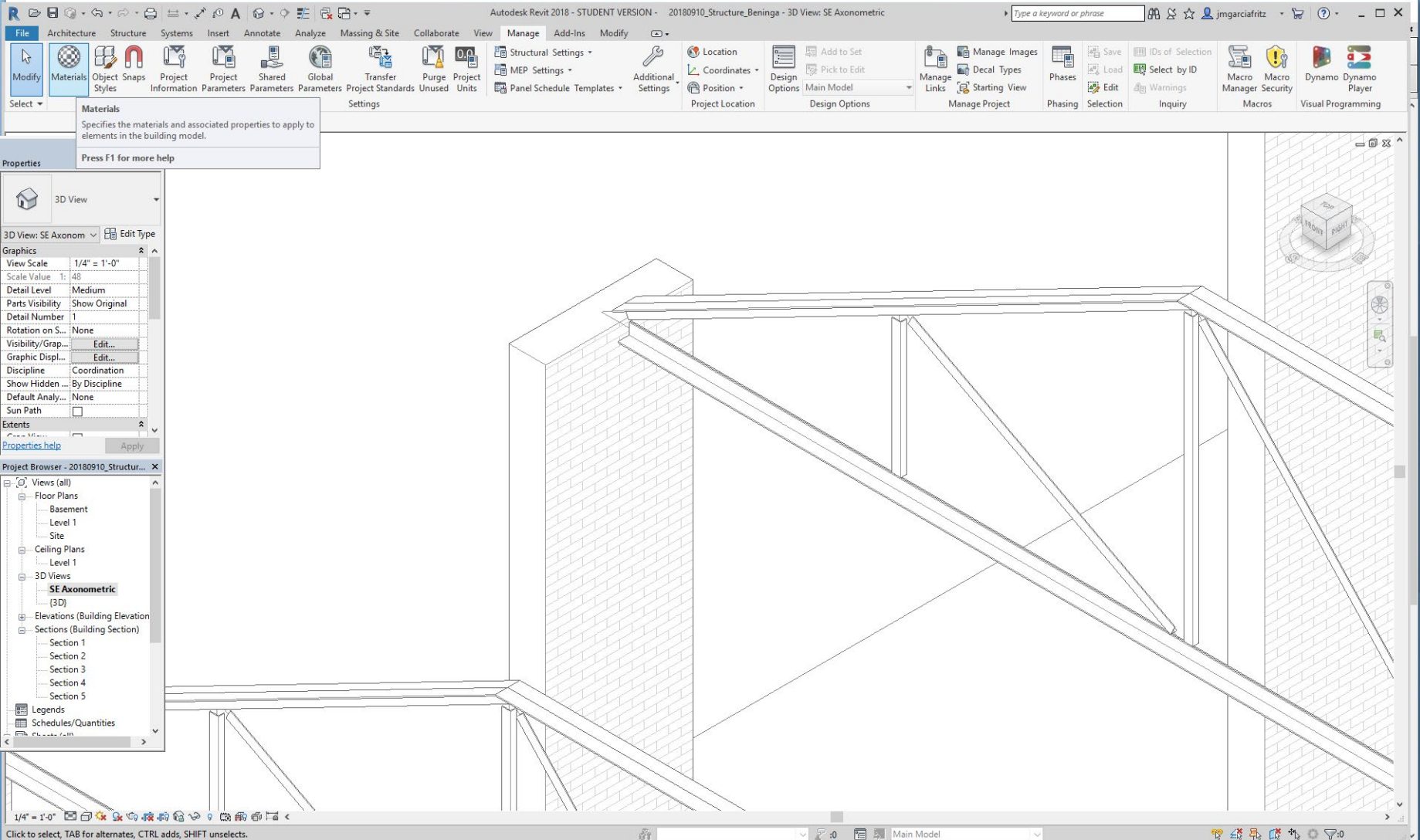
Make sure Architecture and Structure are checked. Change the Visibility Graphics according to ARCH 451_Graphic Overrides Document.



1/4" = 1'-0"

OBJECT STYLES

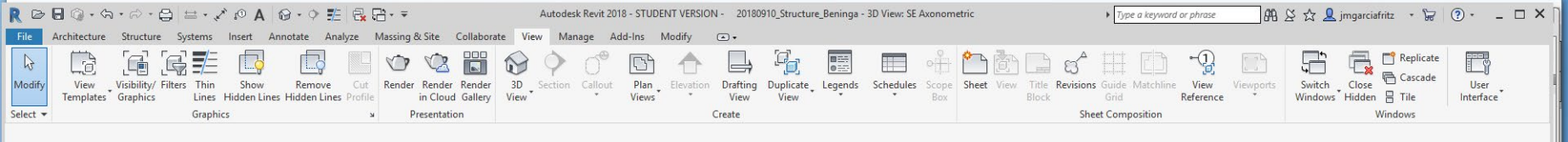
Make sure Architecture and Structure are checked. Change the Object Styles according to ARCH 451_Graphic Overrides Document.



MATERIALS

Go to Manage > Materials. Change the Materials according to ARCH 451_Graphic Overrides Document.

SECTION BOXES



Properties

3D View

3D View: SE Axonomet

Graphics

View Scale: 1/4" = 1'-0"

Scale Value: 1: 48

Detail Level: Medium

Parts Visibility: Show Original

Detail Number: 1

Rotation on Sh...: None

Visibility/Grap...:

Graphic Displa...:

Discipline: Coordination

Show Hidden L...: By Discipline

Default Analysi...: None

Sun Path: ☐

Extents

Crop View: ☐

Crop Region Vi...: ☐

Annotation Crop: ☐

Far Clip Active: ☐

Section Box ☒

Rendering Setti...

Locked Orienta...: ☐

Perspective: ☐

Eye Elevation: 154' 4 25/32"

Target Elevation: 23' 5 53/128"

Camera Position: Adjusting

Identity Data

View Template: <None>

View Name: SE Axonometric

Dependency: Independent

Title on Sheet: ☐

Sheet Number: A7

Sheet Name: SE Axonometric

Phasing

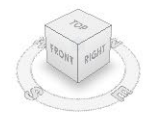
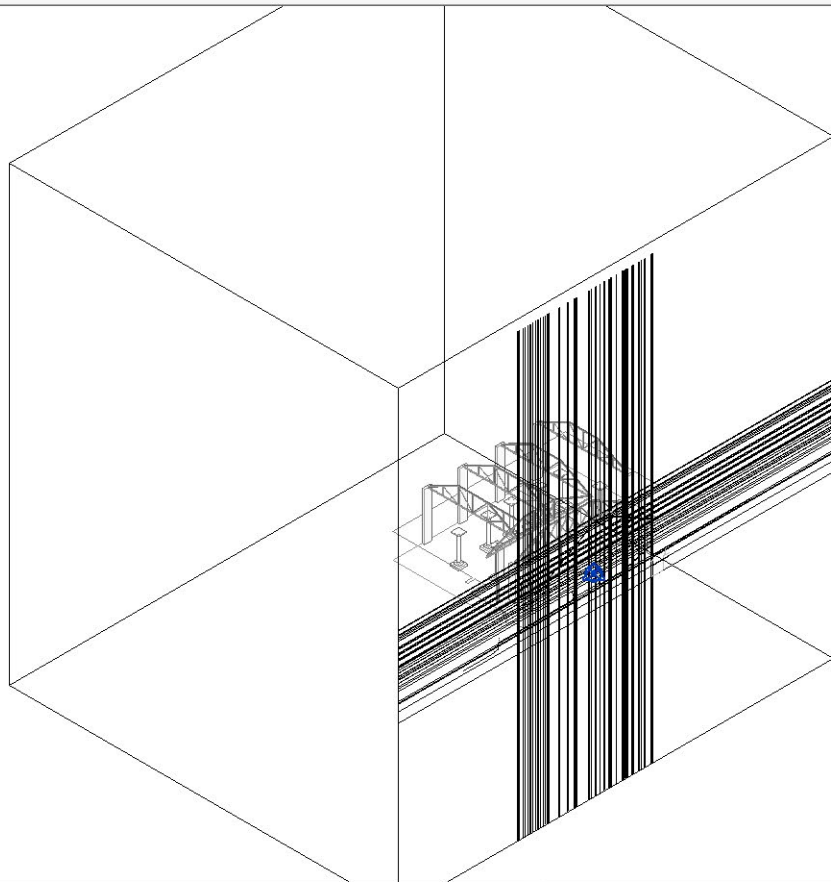
Phase Filter: Show All

Phase: New Constructi...

[Properties help](#)

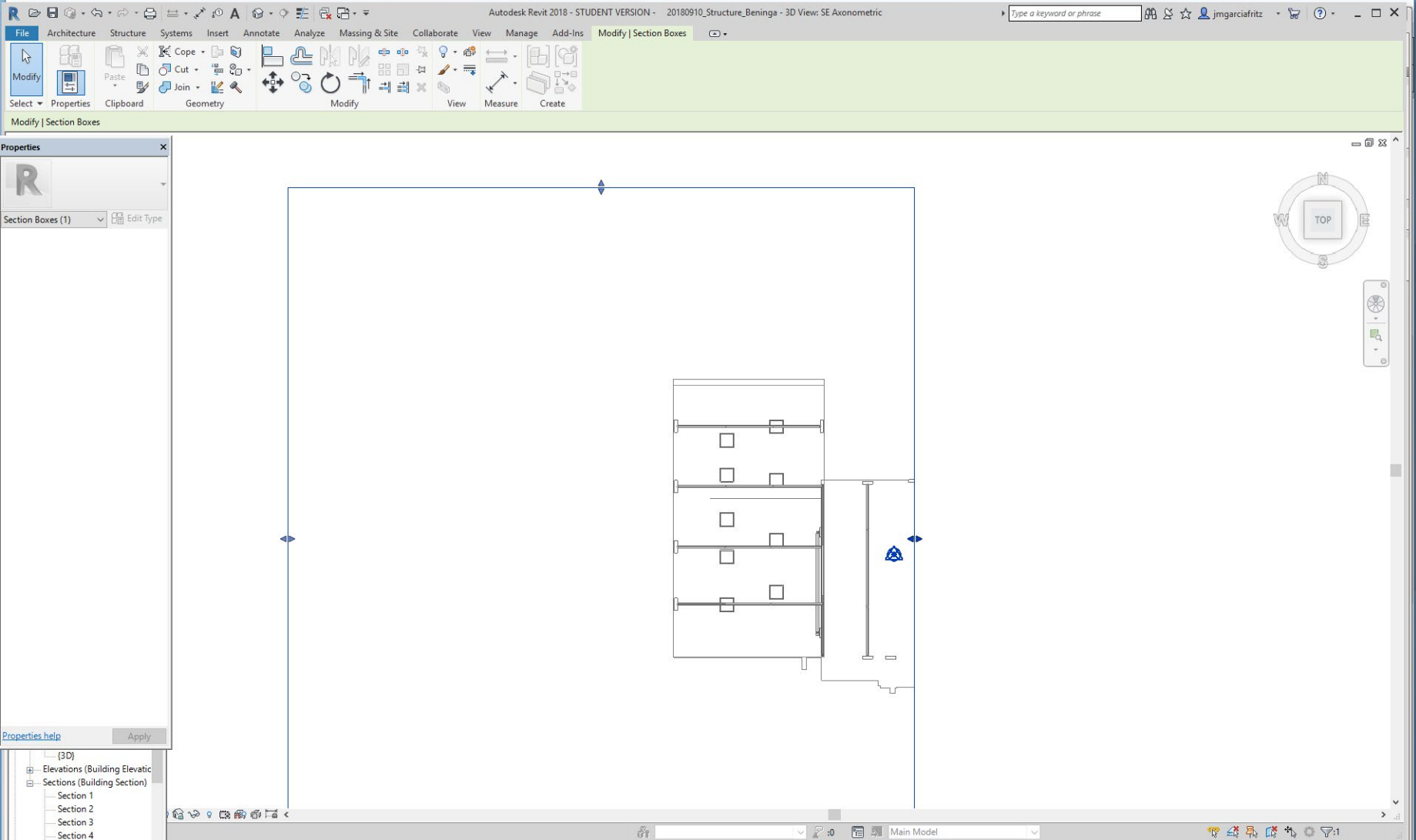
{3D}

- Elevations (Building Elevatic
- Sections (Building Section)
 - Section 1
 - Section 2
 - Section 3
 - Section 4



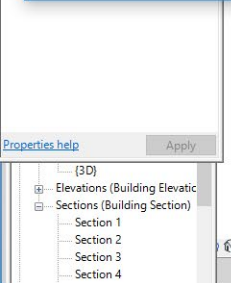
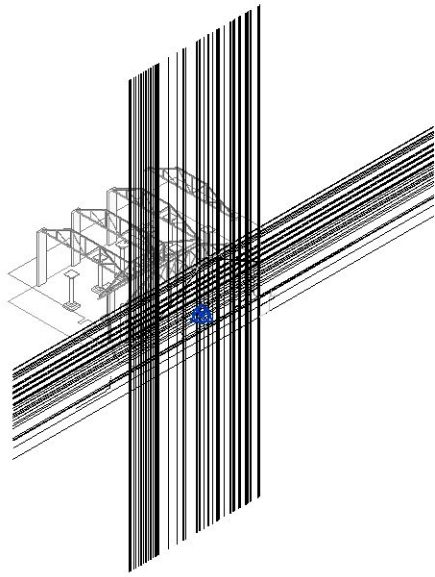
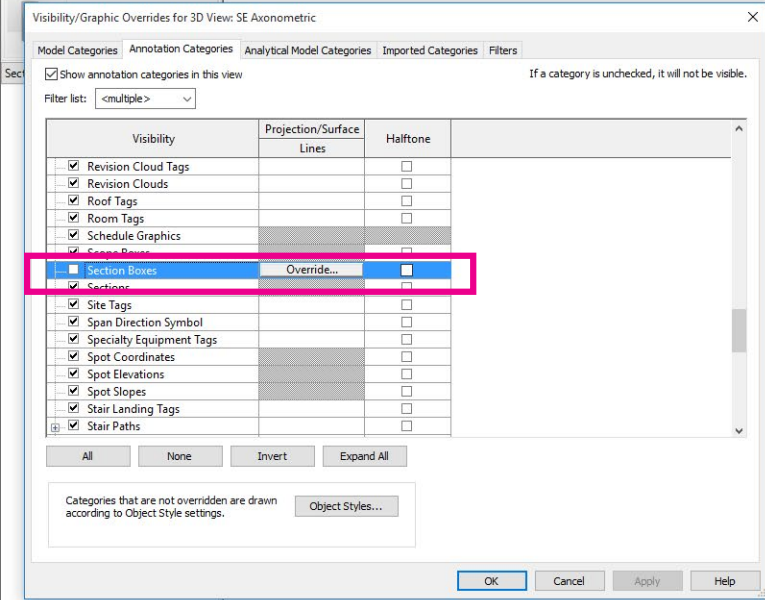
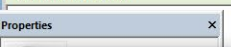
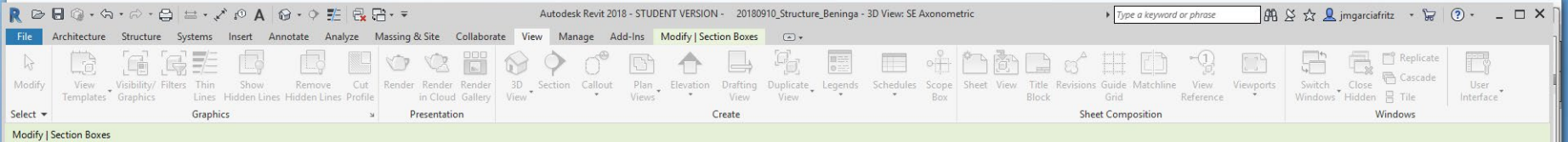
SECTION BOX

Under Properties, check the Section Box.



SECTION BOX

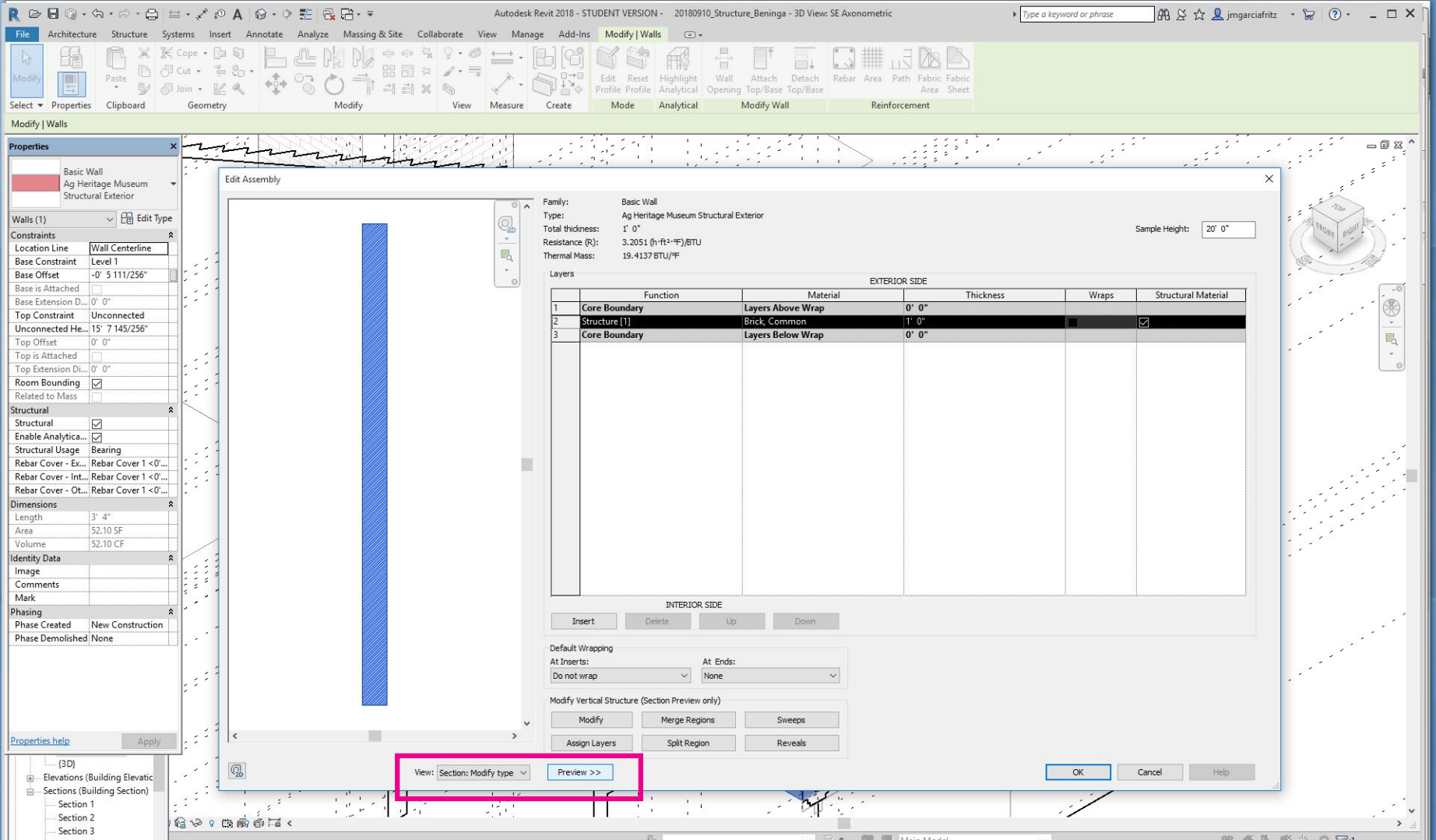
Adjust the Section Box while in the Top View.



SECTION BOX
Turn the Section Box off under Visibility Graphics > Annotation Categories > Section Boxes.

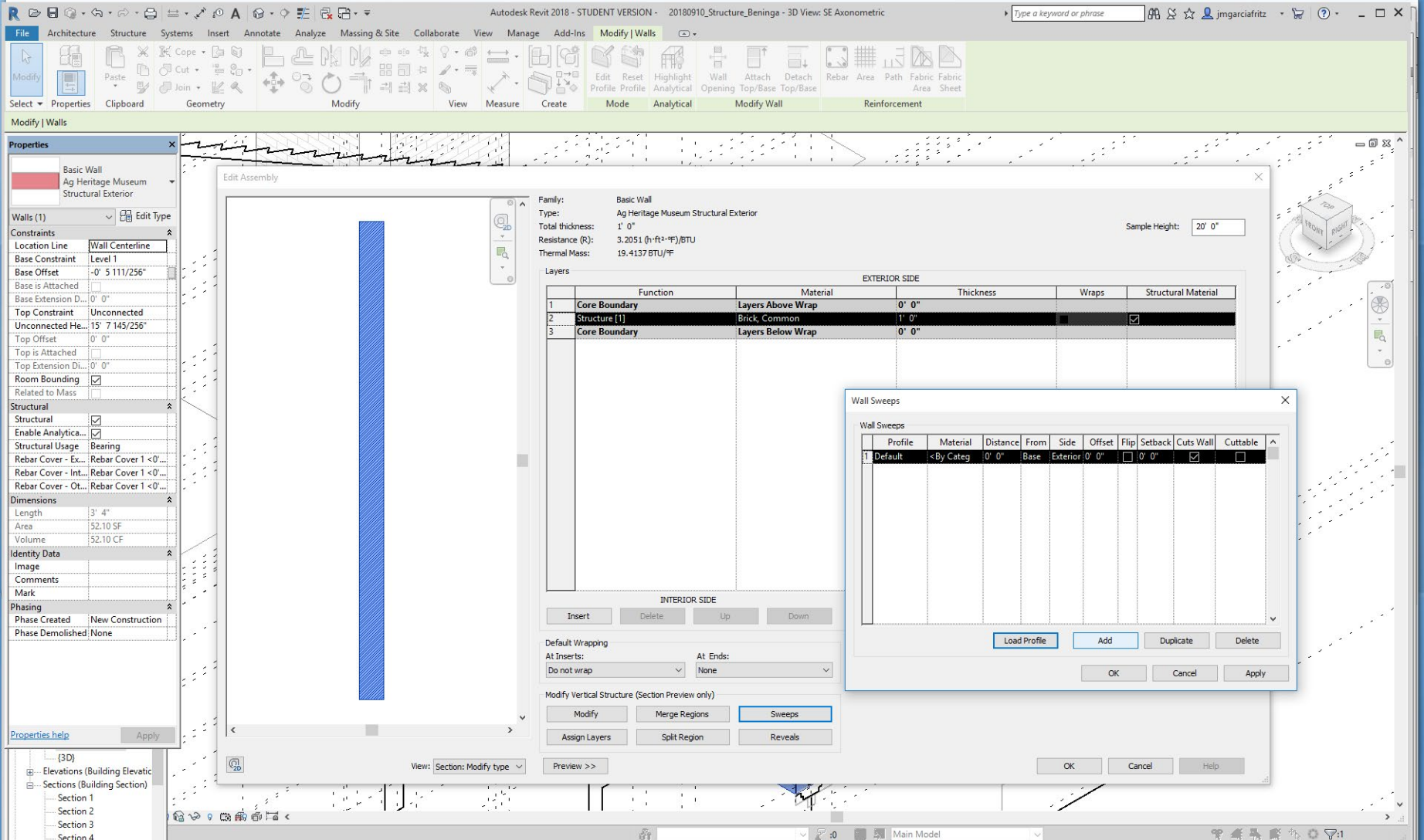
WALL SECTIONS



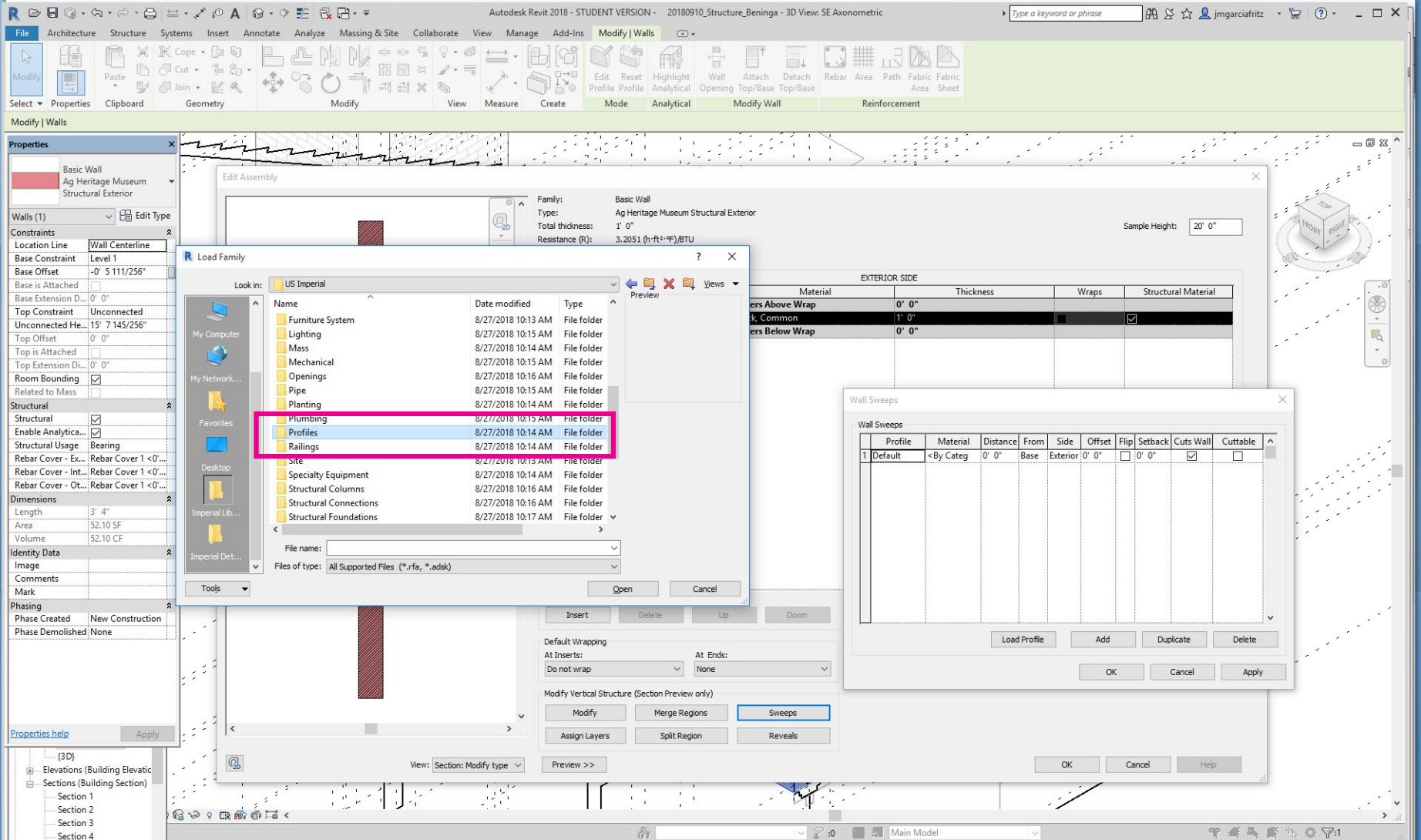


WALL EDIT

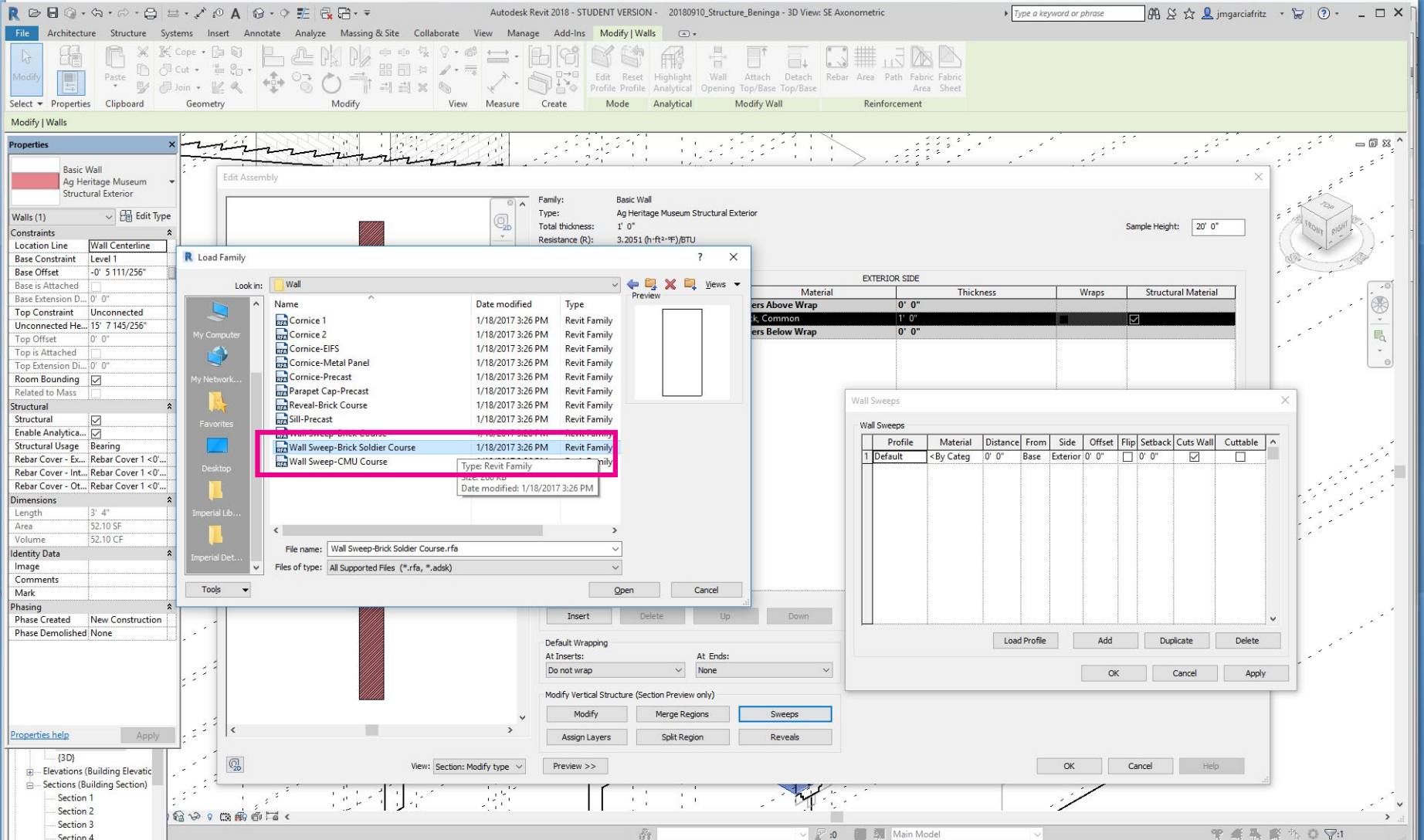
Open the Preview view > Section Modify type.



WALL EDIT
 Make a Sweep > Add > Load Profile.

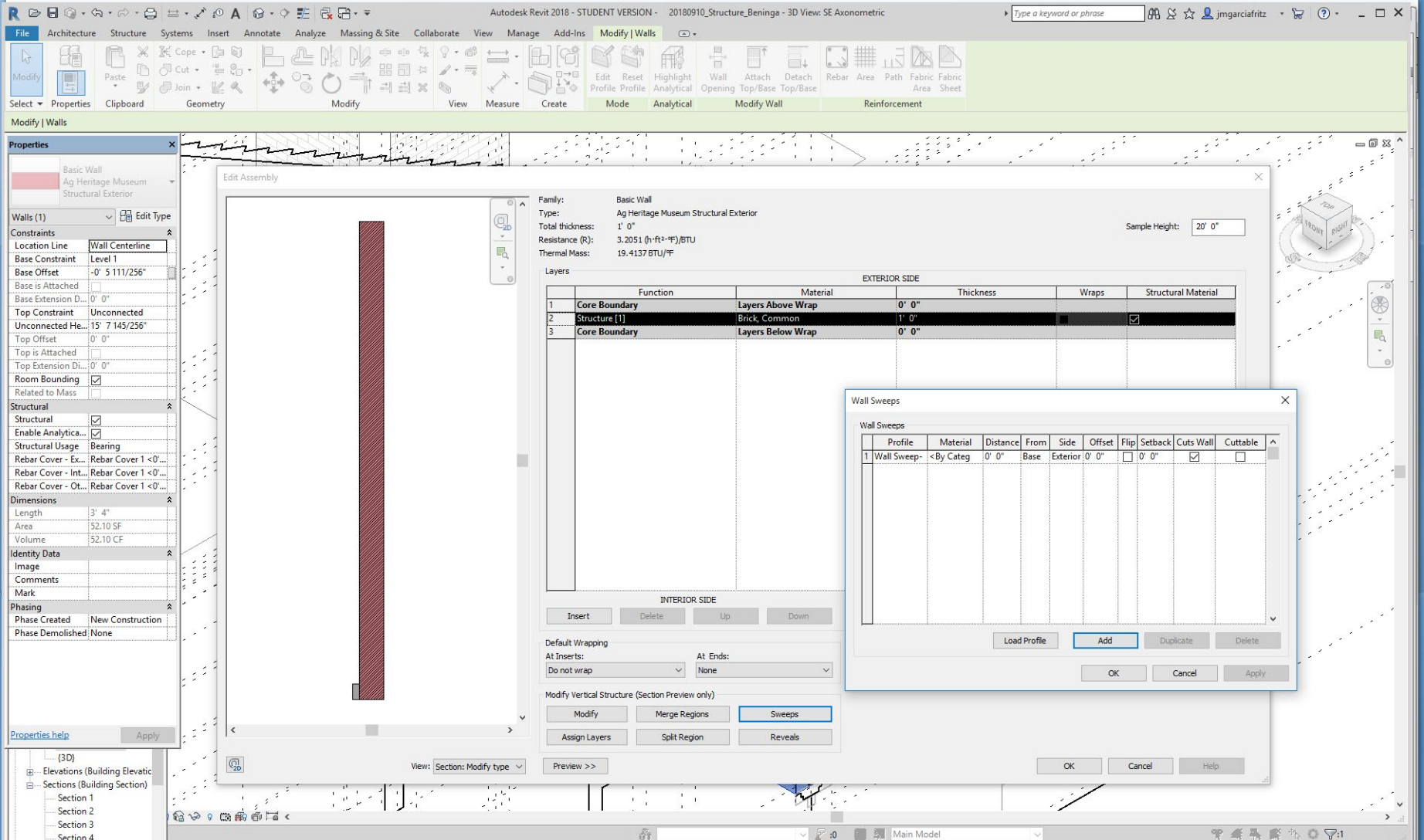


WALL EDIT
Click on Profiles.

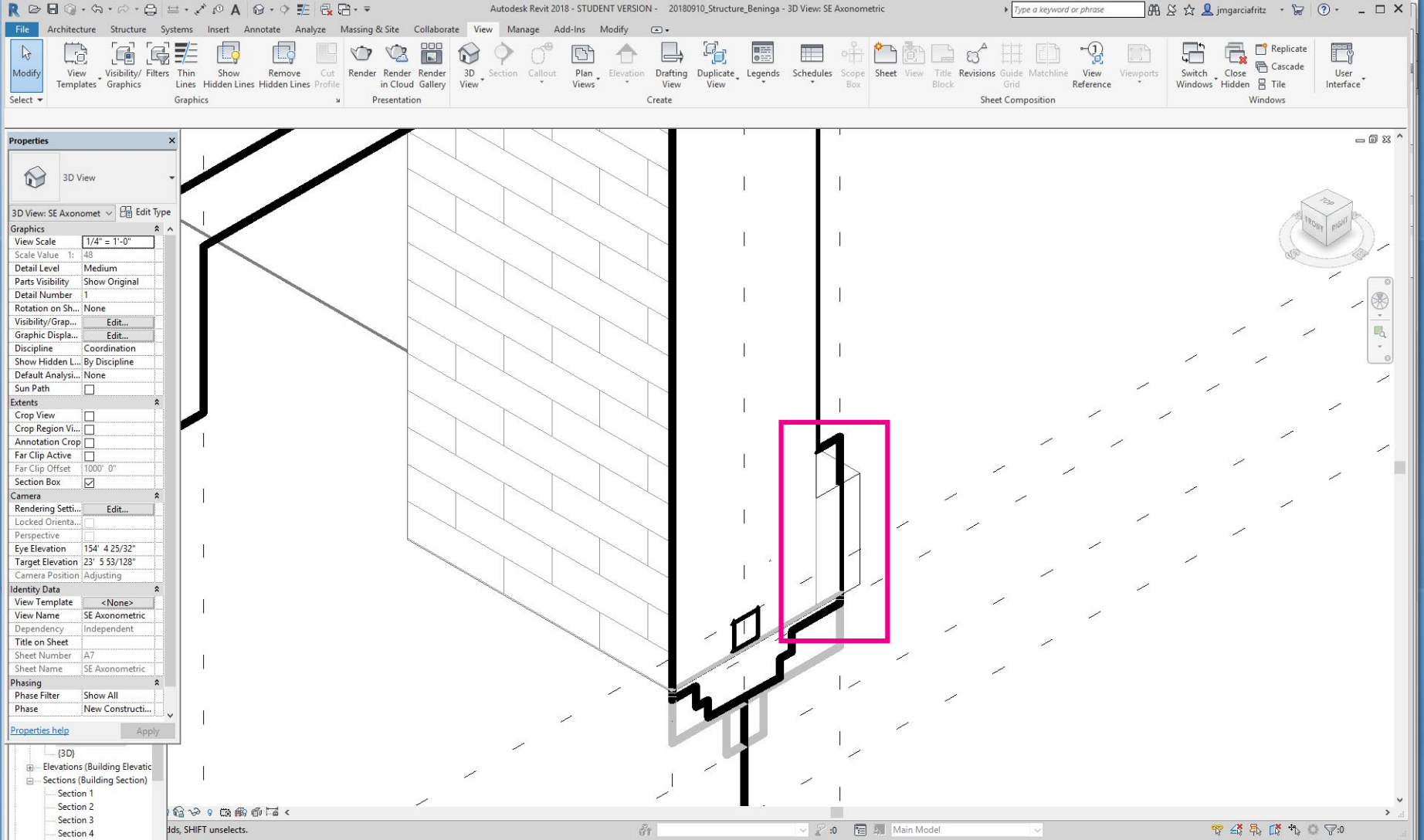


WALL EDIT

Open the Wall Sweep - Brick Soldier Course



WALL EDIT
Add into the model.



WALL EDIT

Check the wall against the section...this one is wrong.

PRINTING

Properties

Sheet: SE Axonometric

Graphics

Visibility/Graphic Overrides

Scale

Identity Data

Dependency: Independent

Referencing Sheet: Referencing Designation

Current Revision: 1

Current Revision: 2

Current Revision: 3

Current Revision: 4

Current Revision: 5

Approved By: Approver

Designed By: Designer

Checked By: Checker

Drawn By: Author

Project Browser - 20180910_Structure...

(3D)

Elevations (Building Elevation)

Sections (Building Section)

Section 1

Section 2

Section 3

Section 4

Section 5

Legends

Schedules/Quantities

Sheets (all)

A1 - Section 1

A2 - Section 2

A3 - Section 3

A4 - Section 4

A5 - Section 5

A7 - SE Axonometric

Families

Groups

Print Setup

Printer: HP LaserJet Enterprise 700 color MFP M775 PCL6 Class Driver

Name: <in-session>

Paper Size: <default tray>

Source: <default tray>

Paper Placement

☒ Center

☐ Offset from corner: No Margin

Zoom

☒ Fit to page

☐ Zoom: 0.0000" x 0.0000" = y

Options

☐ View links in blue (Color prints only)

☒ Hide ref/work planes

☐ Hide unreferenced view tags

☐ Region edges mask coincident lines

☒ Hide scope boxes

☒ Hide crop boundaries

☐ Replace halftone with thin lines

Orientation

☐ Portrait

☒ Landscape

Hidden Line Views

Remove Lines Using:

☐ Vector Processing

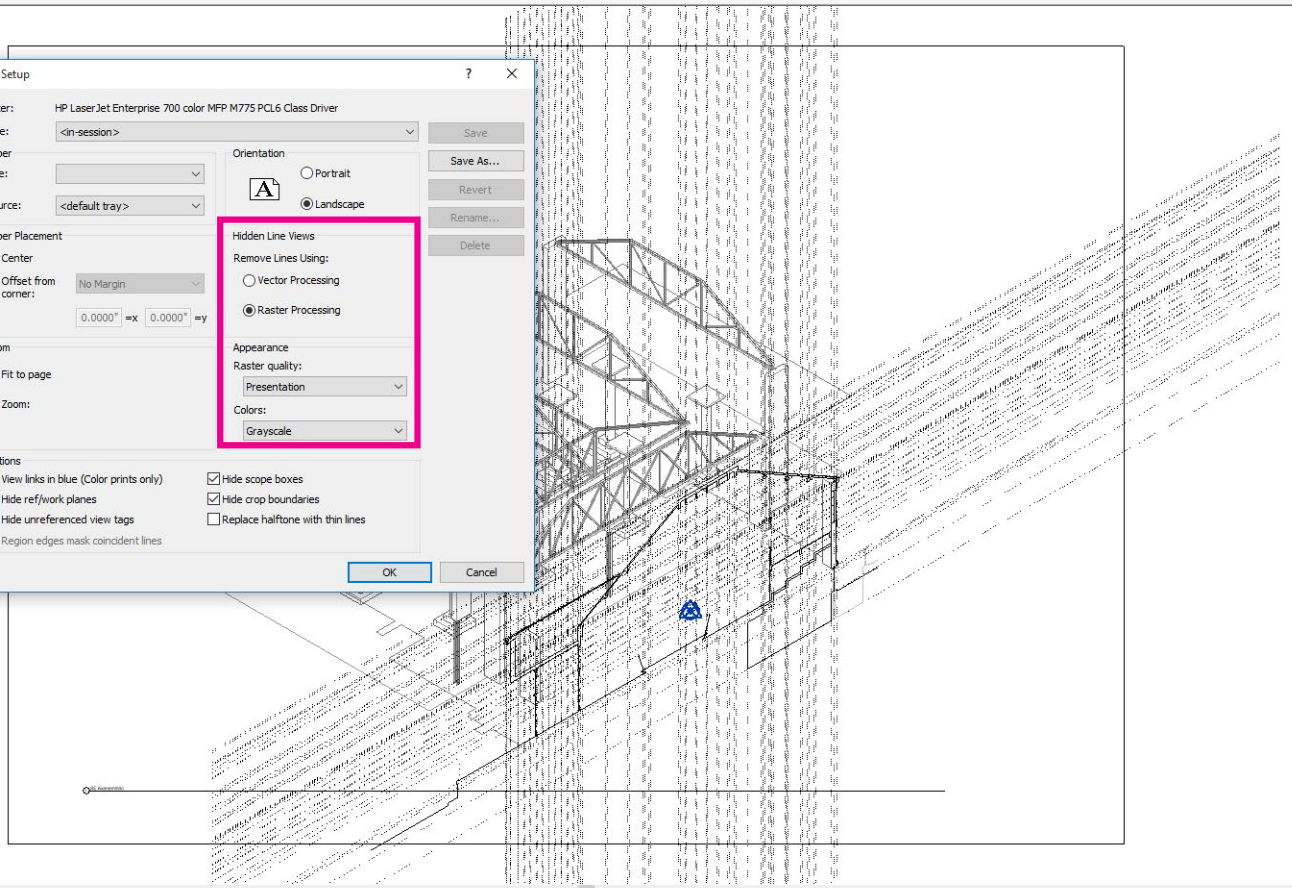
☒ Raster Processing

Appearance

Raster quality: Presentation

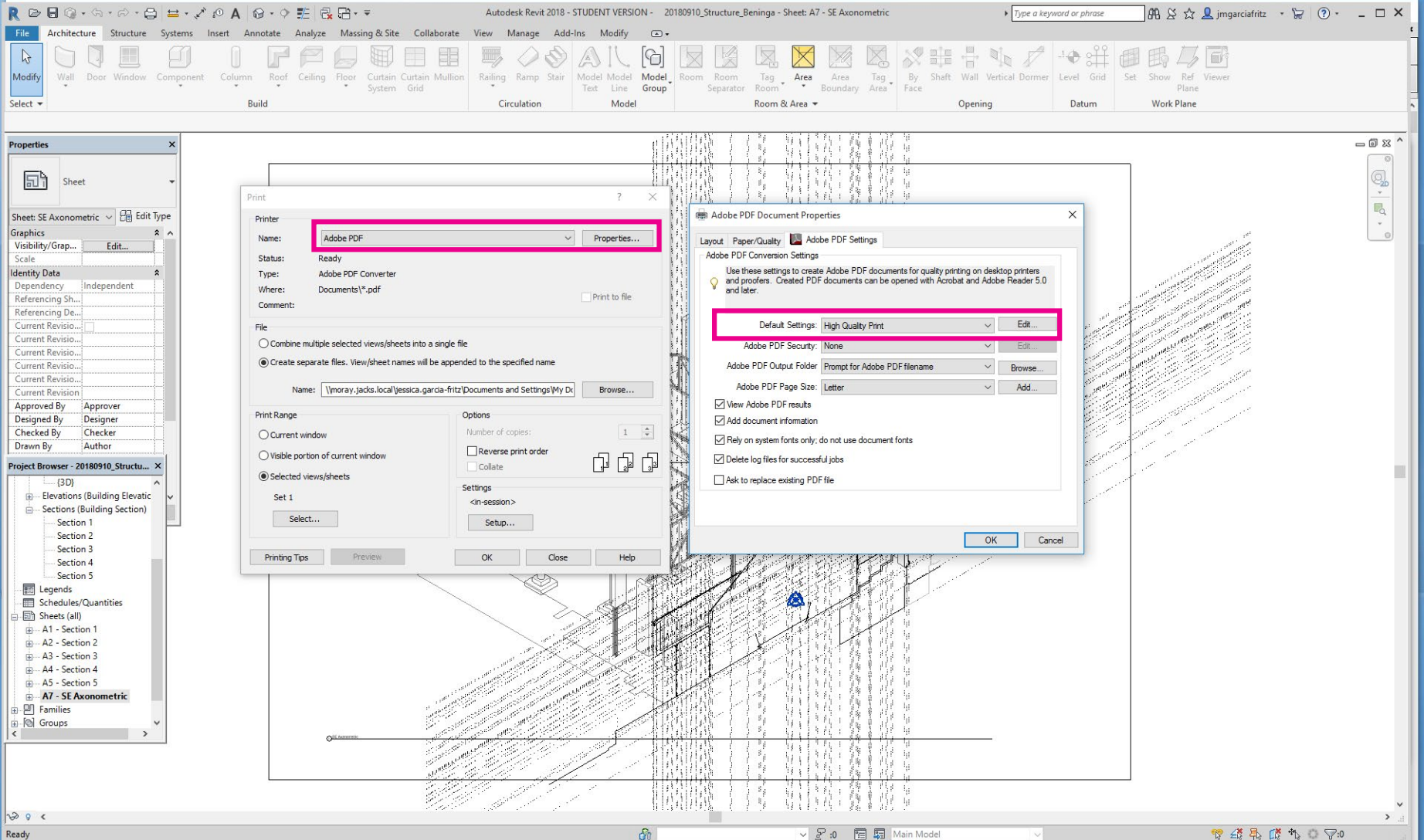
Colors: Grayscale

OK Cancel



PRINT

Change the settings to Raster Processing. Appearances > Raster Quality > Presentation.



PRINT

Change the Adobe PDF Settings to High Quality Print.