# LINKED UNIT PLANS

In ORB office, we separate the units on our projects from the main central model. This is achieved by creating individual RVT unit links. We create all the required drawings for them in their own files, and then link the views into central model.

To achieve this you'll need to set up views in Revit unit links.  These views will hold all the annotations and modeling relevant to the unit drawings, except for keynoting.
Here are the common categories that will be found in the links:

- Appliances, furniture, casework, walls, doors, etc.
- Dimensions
- Room names
- Door tags
- Wall type tags
- Travel Path
- Clear floor spaces
- Others (Verify with your project manager to make sure you are including the information you need.)

**Note:** Unit plan's keynotes, window tags, and the exterior facade dimensions are the only items you are inserting in the project's central model.

**DRAWINGS**:

FLOOR PLAN - LINKED

FLOOR PLAN ANSI - LINKED

FLOOR PLAN DD - LINKED

INTERIOR ELEVATIONS

# LINKED UNIT DRAWINGS

**Revit link: Unit floor plan.**
For your unit floor plan in the Revit link don't forget to add the following information:

| Identity Data | |
|---|---|
| View Template | UNIT FLOOR PLANS |
| View Name | FLOOR PLAN - LINKED |
| Dependency | Independent |
| Title on Sheet | |
| Referencing Sheet | |
| Referencing Detail | |
| Workset | View "Floor Plan: FLOOR P... |
| Edited by | |
| Sub-Type | 020 Unit Plans |

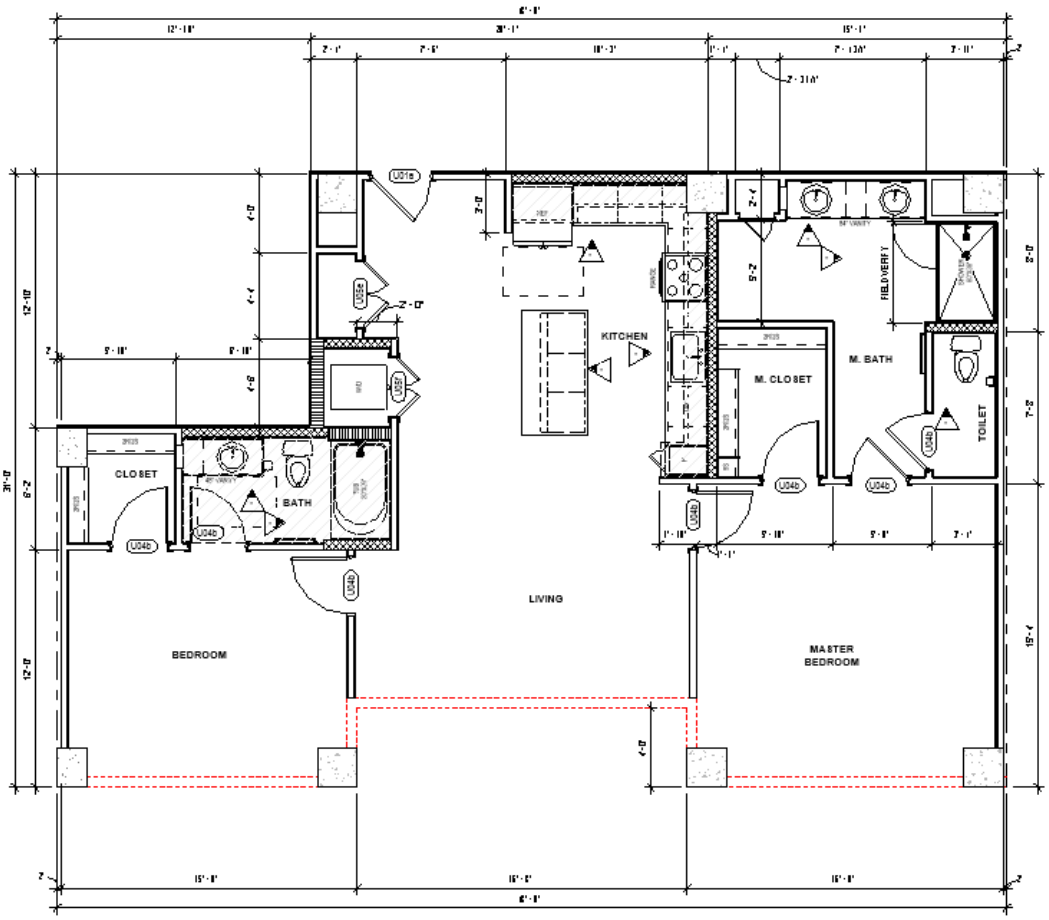
This is the template you are going to use for your Revit link unit floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

This is the view name that you are going to use for your unit floor plan

In the Revit link you are going to include:

- Dimensions
- Room names
- Door tags
- Wall type tags
- Dropped ceiling regions
- Vanity, shower, & tub size notes

*Verify with you project manager about the information you are including in your unit floor plan.



# LINKED UNIT DRAWINGS

**Revit link: ANSI floor plan.**
For your ANSI floor plan in the Revit link don't forget to add the following information:

| Identity Data | |
|---|---|
| View Template | UNIT PLANS ANSI |
| View Name | ANSI FLOOR PLAN - LINKED |
| Dependency | Independent |
| Title on Sheet | |
| Sheet Number | A1 |
| Sheet Name | First Floor Plan |
| Referencing Sheet | |
| Referencing Detail | |
| Workset | View "Floor Plan: ANSI FL... |
| Edited by | |
| Sub-Type | 020 Unit Plans |

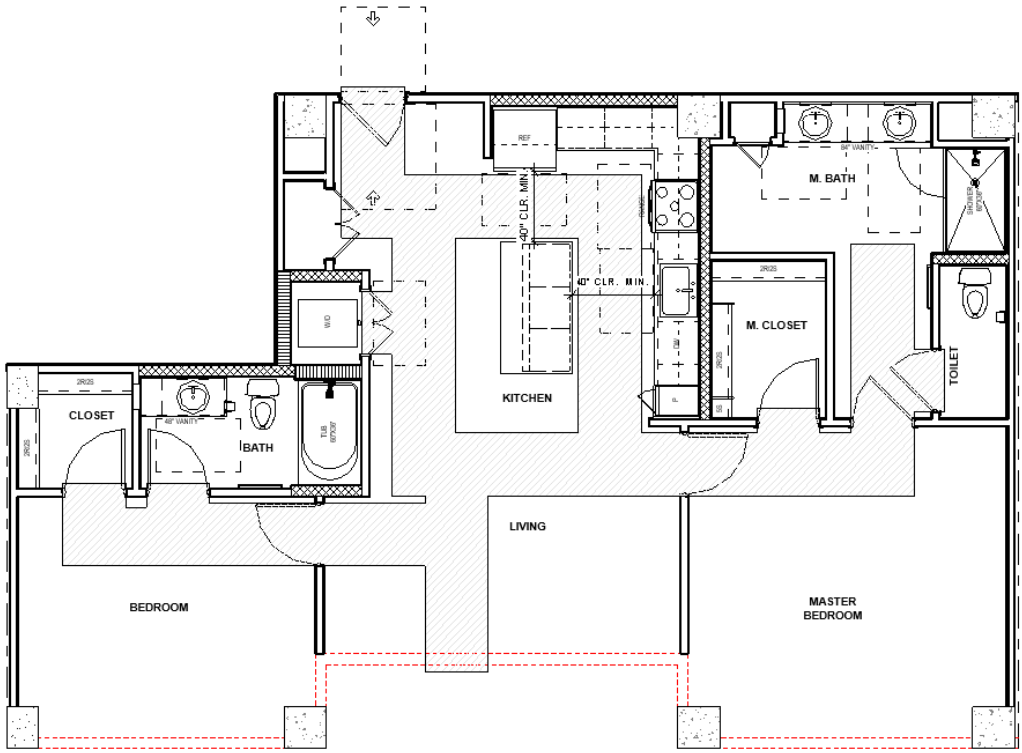
This is the template you are going to use for your Revit link ANSI floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

This is the view name that you are going to use for your ANSI floor plan

In the Revit link you are going to include:

- Room names
- Clear floor spaces
- Accessible travel path
- Turning spaces
- Critical dimension and notes
- Door maneuvering clearances

*Verify with you project manager and ORB manuals about the information you are including base on unit types.



# LINKED UNIT DRAWINGS

**Revit link: DD Unit floor plan.**
For your DD unit floor plan in the Revit link don't forget to add the following information:

| Identity Data | |
|---|---|
| View Template | DD UNIT PLANS |
| View Name | FLOOR PLAN DD - LINKED |
| Dependency | Independent |
| Title on Sheet | |
| Referencing Sheet | |
| Referencing Detail | |
| Workset | View "Floor Plan: FLOOR P... |
| Edited by | |
| Sub-Type | 020 Unit Plans |

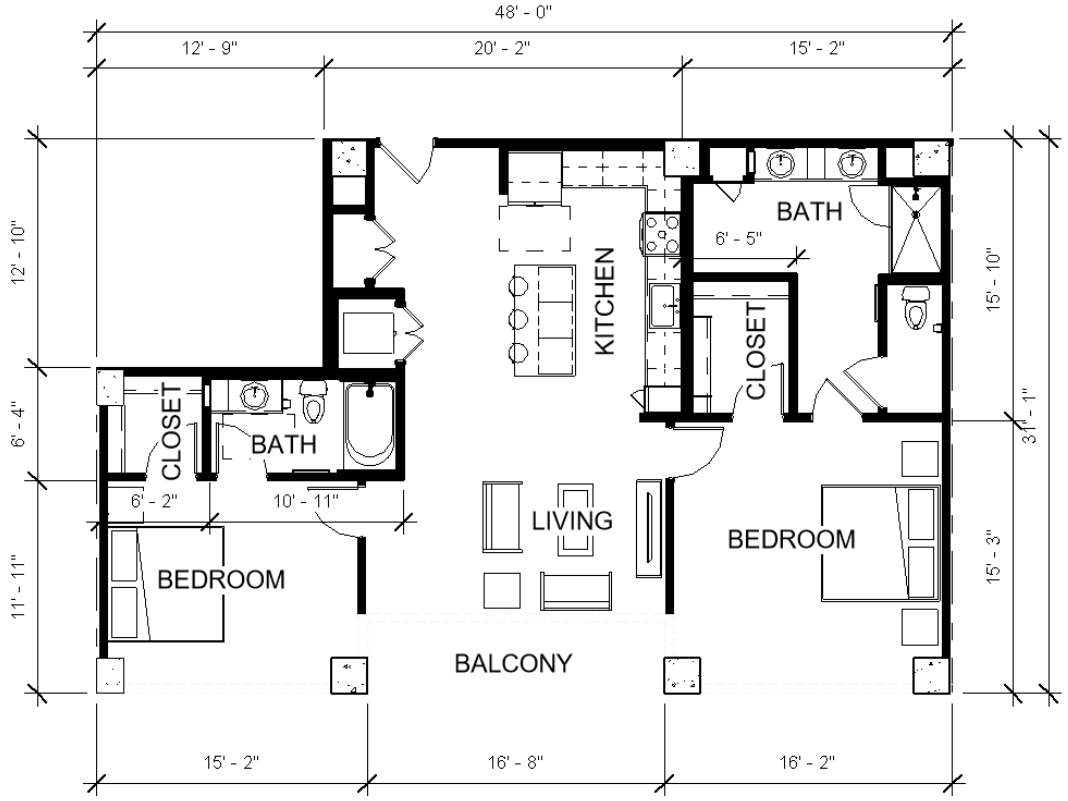
This is the template you are going to use for your Revit link DD unit floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

This is the view name that you are going to use for your DD unit floor plan

In the Revit link you are going to include:

- General dimensions
- Room names
- Furnitures

*Verify with you project manager about the information you are including in your DD unit floor plan.



# LINKED UNIT DRAWINGS

**Revit link: Interior elevations.**
For your interior elevations in the Revit link don't forget to add the following information:

| Identity Data | |
|---|---|
| View Template | A5 Interior Elevations 1/4" |
| View Name | A |
| Dependency | Independent |
| Title on Sheet | |
| Referencing Sheet | |
| Referencing Detail | |
| Workset | View "Elevation: A" |
| Edited by | |
| Sub-Type | 021 Unit Interior Elevations |

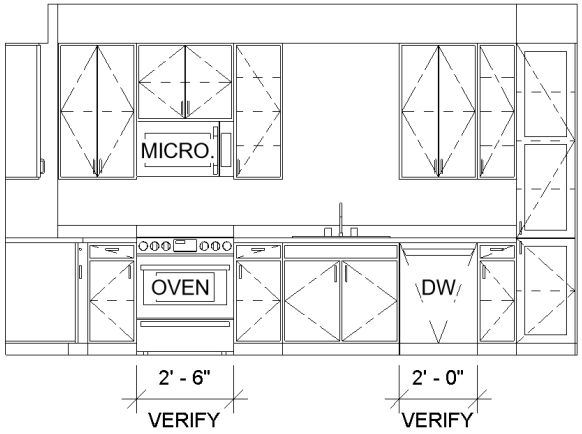
This is the template you are going to use for your Revit interior elevations.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

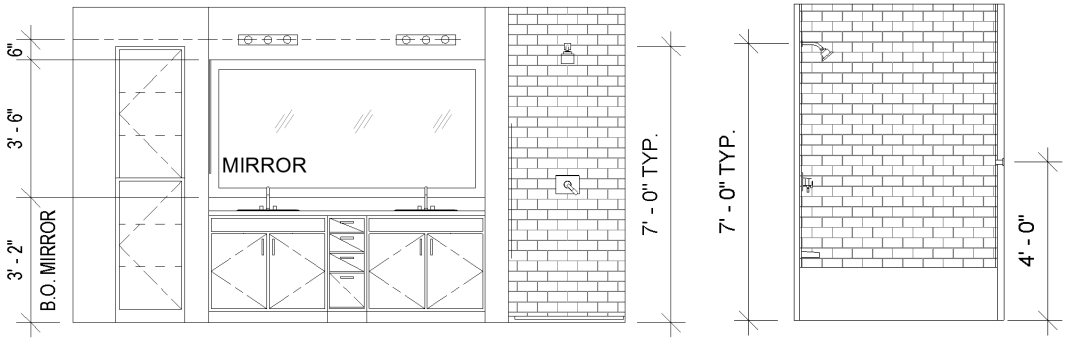
The view name that you are using for your interior elevation needs to be the same that you are going to use for your central model's interior elevations

In the Revit link you are going to include:

- Dimensions
- Appliance names
- General notes

*Verify with you project manager about the information you are including in your interior elevations.



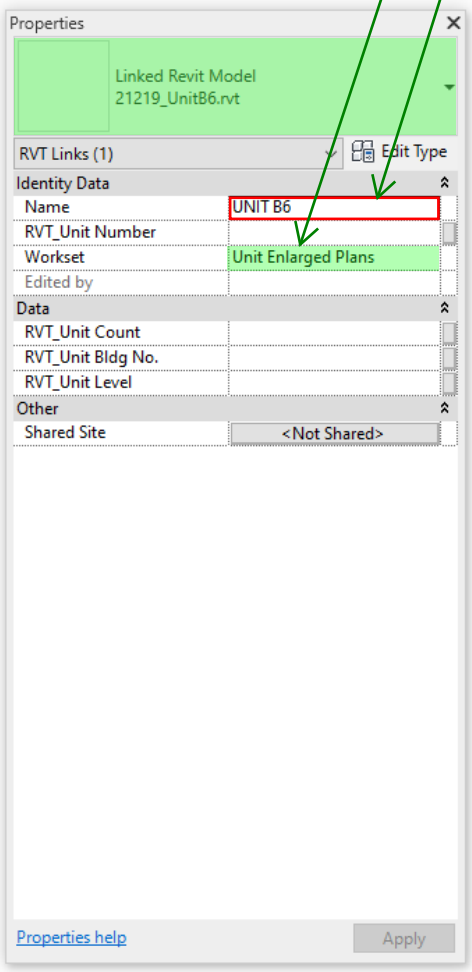



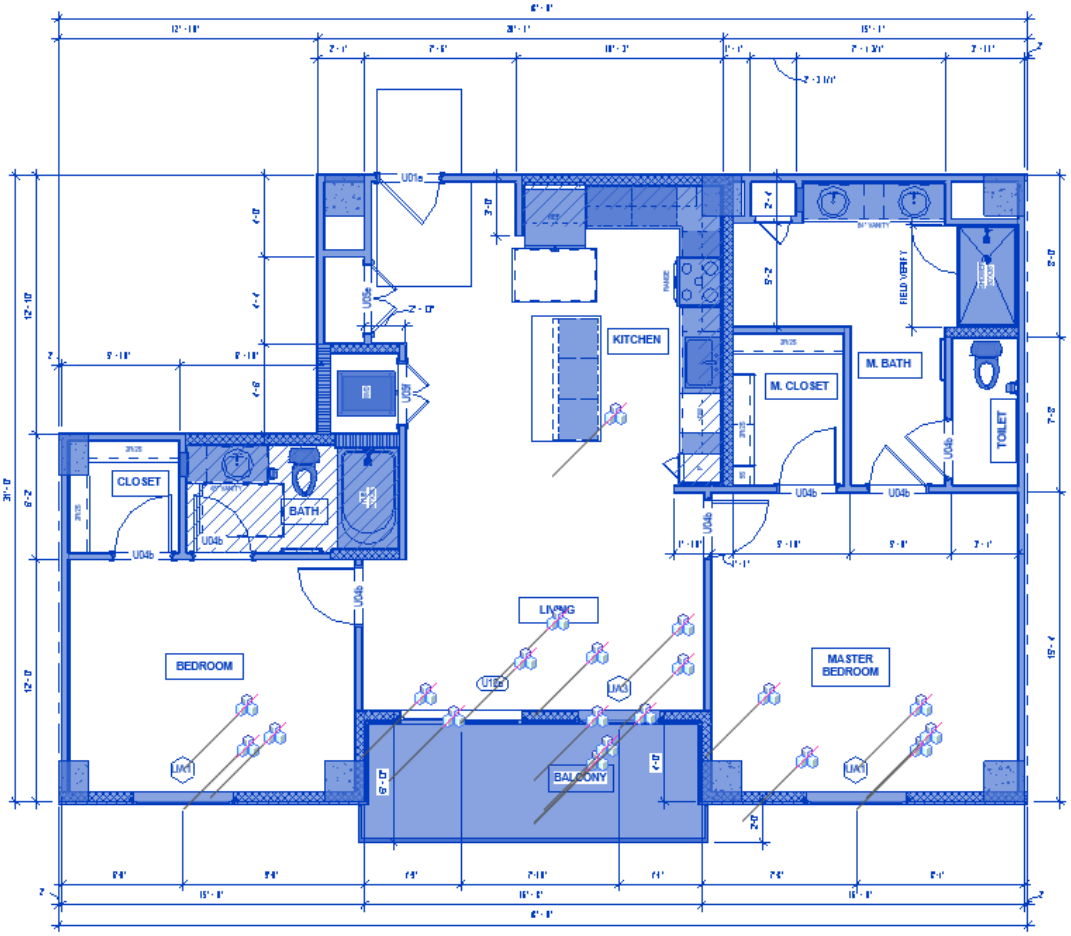
# LINKED UNIT DRAWINGS

## Central model: Unit RVT link workset.

The linked Revit model, exterior wall, and windows for this unit needs to be in the "Unit Enlarged Plans" workset.

The linked Revit model that you are using as your unit enlarged plan needs to be called "UNIT XX" (In this example, UNIT B6.)



# LINKING UNIT PLANS

When you are done with the unit Revit link's views, you are going to link those views into the central model. You will need to follow these steps to achieve this:

**01** Create a view for each floor plan and interior elevation that you need in your central file. (Unit floor plan, ANSI unit floor plan, DD unit floor plan, etc.) You can refer utilize our dynamo scripts to automate some of the view creation process.

This is the template you are going to use for your central model unit floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

This is the template you are going to use for your central model interior elevations.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

## Unit floor plan

| Identity Data | |
|---|---|
| View Template | A2 Enlarged Unit Plans |
| View Name | UNIT B6 FLOOR PLAN |
| Dependency | Independent |
| Title on Sheet | |
| Sheet Number | A2.25 |
| Sheet Name | UNIT PLANS B6 |
| Referencing Sheet | A3.40 |
| Referencing Detail | 1 |
| Workset | View "Floor Plan: UNIT B... |
| Edited by | |
| Category | |

## Interior elevations

| Identity Data | |
|---|---|
| View Template | A5 Interior Elevations 1/4" |
| View Name | Unit B6 - A |
| Dependency | Independent |
| Title on Sheet | KITCHEN |
| Sheet Number | A2.25 |
| Sheet Name | UNIT PLANS B6 |
| Referencing Sheet | A2.25 |
| Referencing Detail | 1 |
| Workset | View "Elevation: Unit B6 ... |
| Edited by | |
| Category | |

The view name that you are using for your interior elevation needs to be the same that you are going to use for your central model's interior elevations

This is the view name that you are going to use for your unit floor plan

This is the template you are going to use for your central model ANSI floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

This is the template you are going to use for your central model DD unit floor plan.
You can find it in the following link:
(S:)/Revit Support/Templates/ORB Template

## ANSI floor plan

| Identity Data | |
|---|---|
| View Template | A2 Enlarged Unit Plans - |
| View Name | UNIT B6 ANSI PLAN |
| Dependency | Independent |
| Title on Sheet | |
| Sheet Number | A2.25 |
| Sheet Name | UNIT PLANS B6 |
| Referencing Sheet | A3.40 |
| Referencing Detail | 1 |
| Workset | View "Floor Plan: UNIT B... |
| Edited by | |
| Category | |

## DD Unit floor plan

| Identity Data | |
|---|---|
| View Template | A2 Enlarged DD Unit Plans |
| View Name | DD UNIT B6 - Dependent 1 |
| Dependency | Dependent on DD UNIT B6 |
| Title on Sheet | UNIT B6 FLOOR PLAN |
| Sheet Number | A2.25a |
| Sheet Name | UNIT PLANS B6 |
| Referencing Sheet | A3.40 |
| Referencing Detail | 1 |
| Workset | View "Floor Plan: DD UNI... |
| Edited by | |
| Category | |

This is the view name that you are going to use for your DD unit floor plan

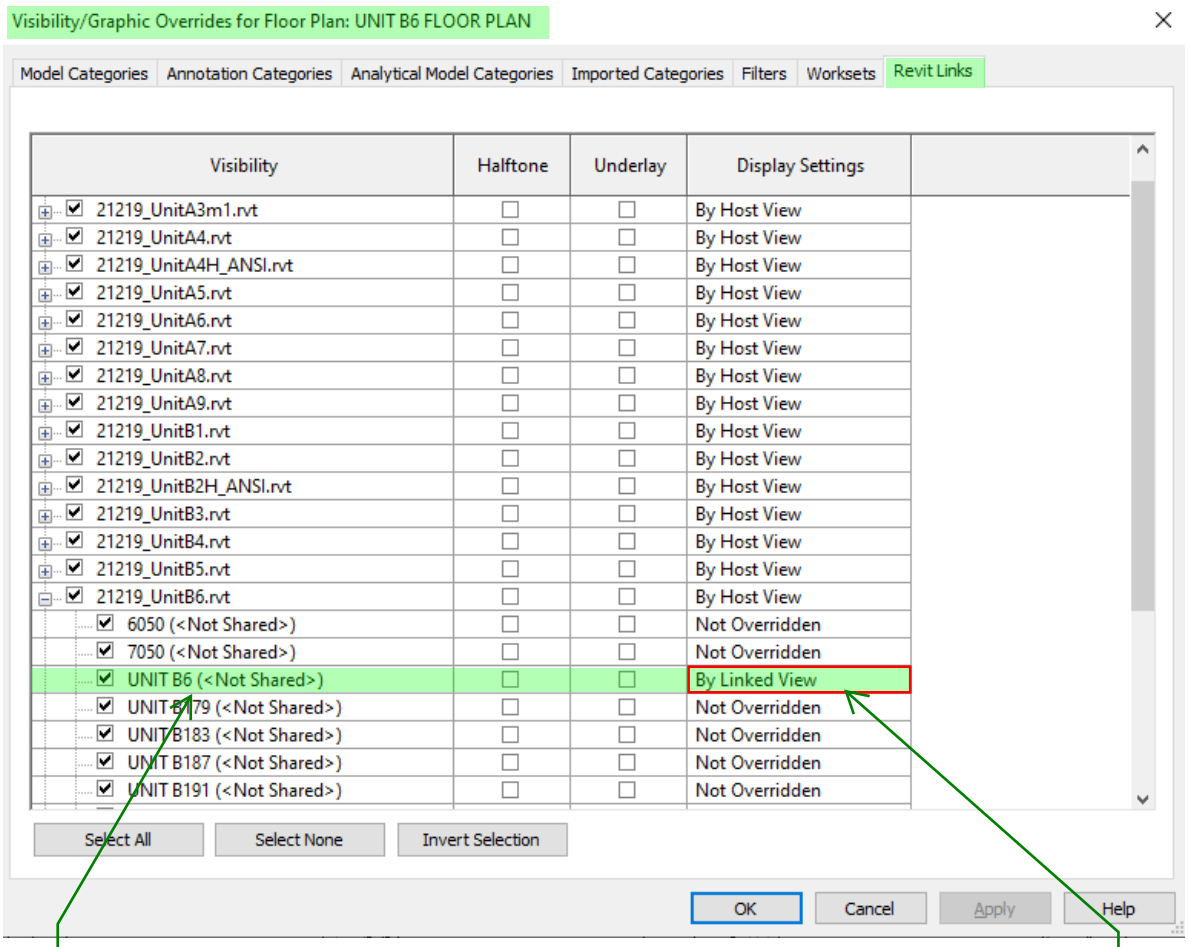
This is the view name that you are going to use for your ANSI floor plan

# LINKING UNIT PLANS

When you are done with the unit Revit link's views, you are going to link those views into the central model. You will need to follow these steps to achieve this:

**02**

In your central model unit floor plan's view, go to your Visibility/Graphic Overrides panel. There you will select the link instance you are using for your drawing.




Select the unit link instance you are using for the unit floor plans. IT SHOULD BE NAMED **ENLARGED UNIT " TYPE"**

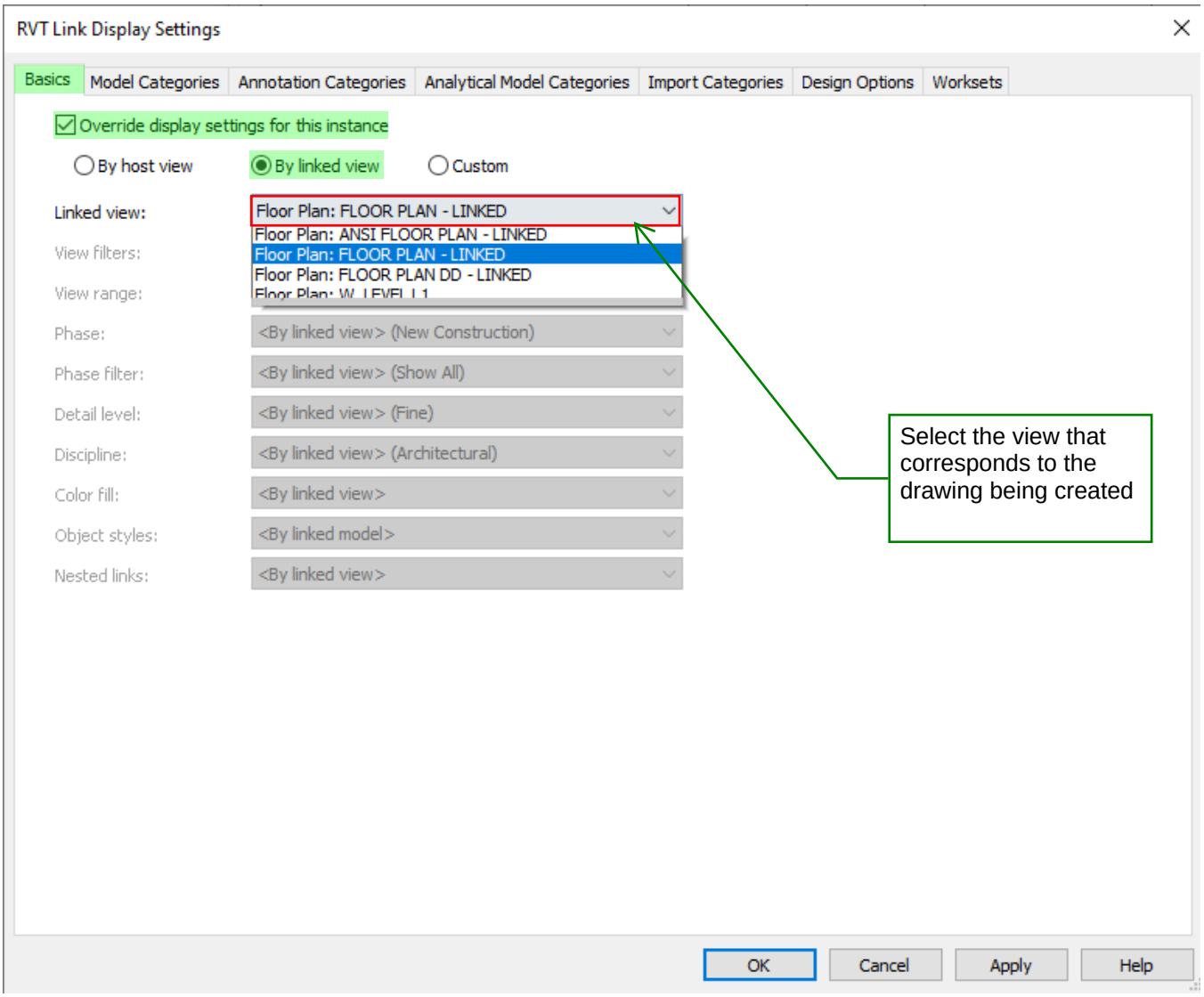
Click here to link the view

# LINKING UNIT PLANS

When you are done with the unit Revit link's views, you are going to link those views into the central model. You will need to follow these steps to achieve this:

**03**

In your RVT Link Display Settings check the "Override display settings for this instance" button and link the view that you want to show.

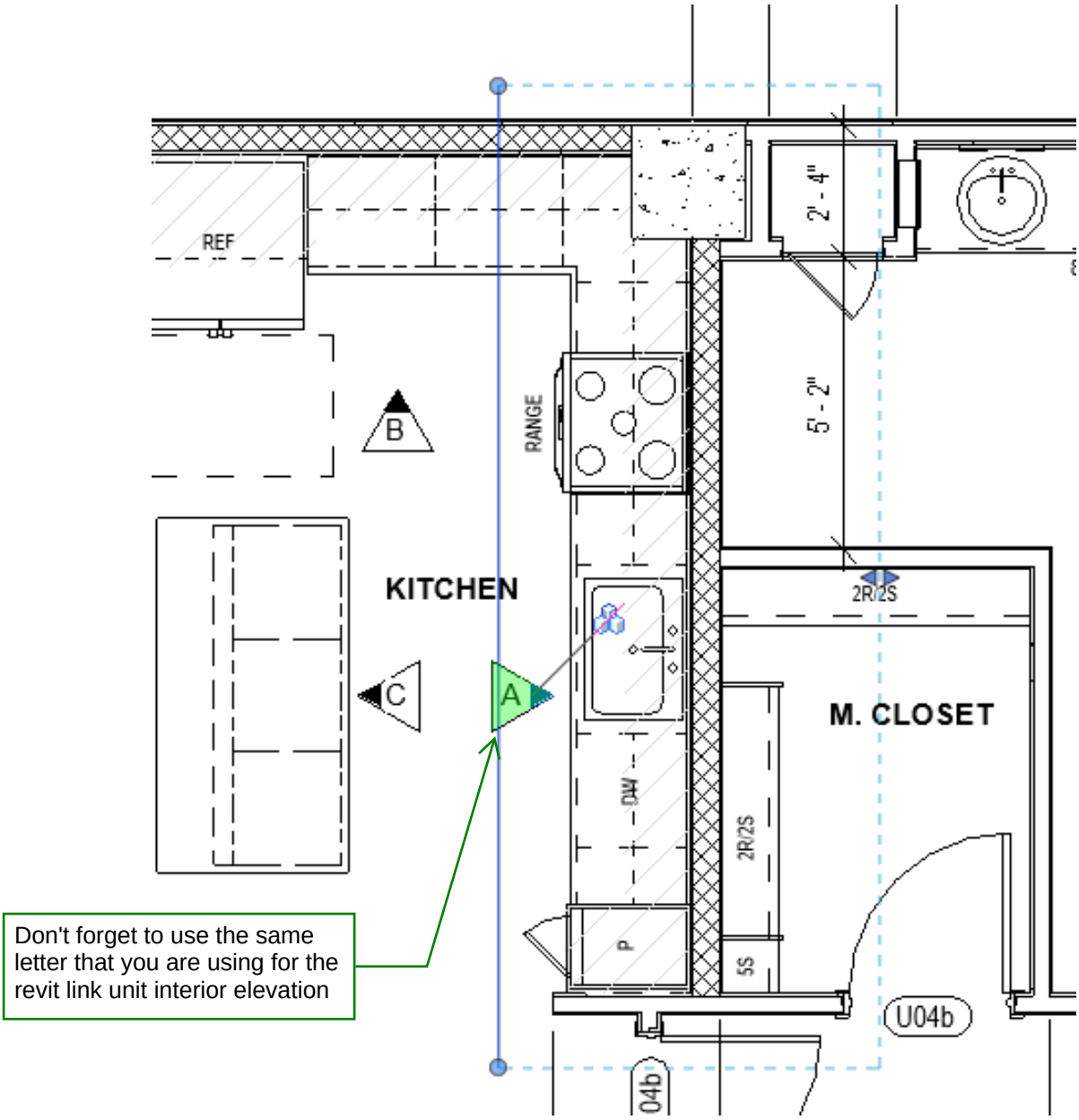


# LINKING UNIT PLANS

When you are done with the unit Revit link's views, you are going to link those views to the central model. You need to follow the next steps to do that correctly:

**04**

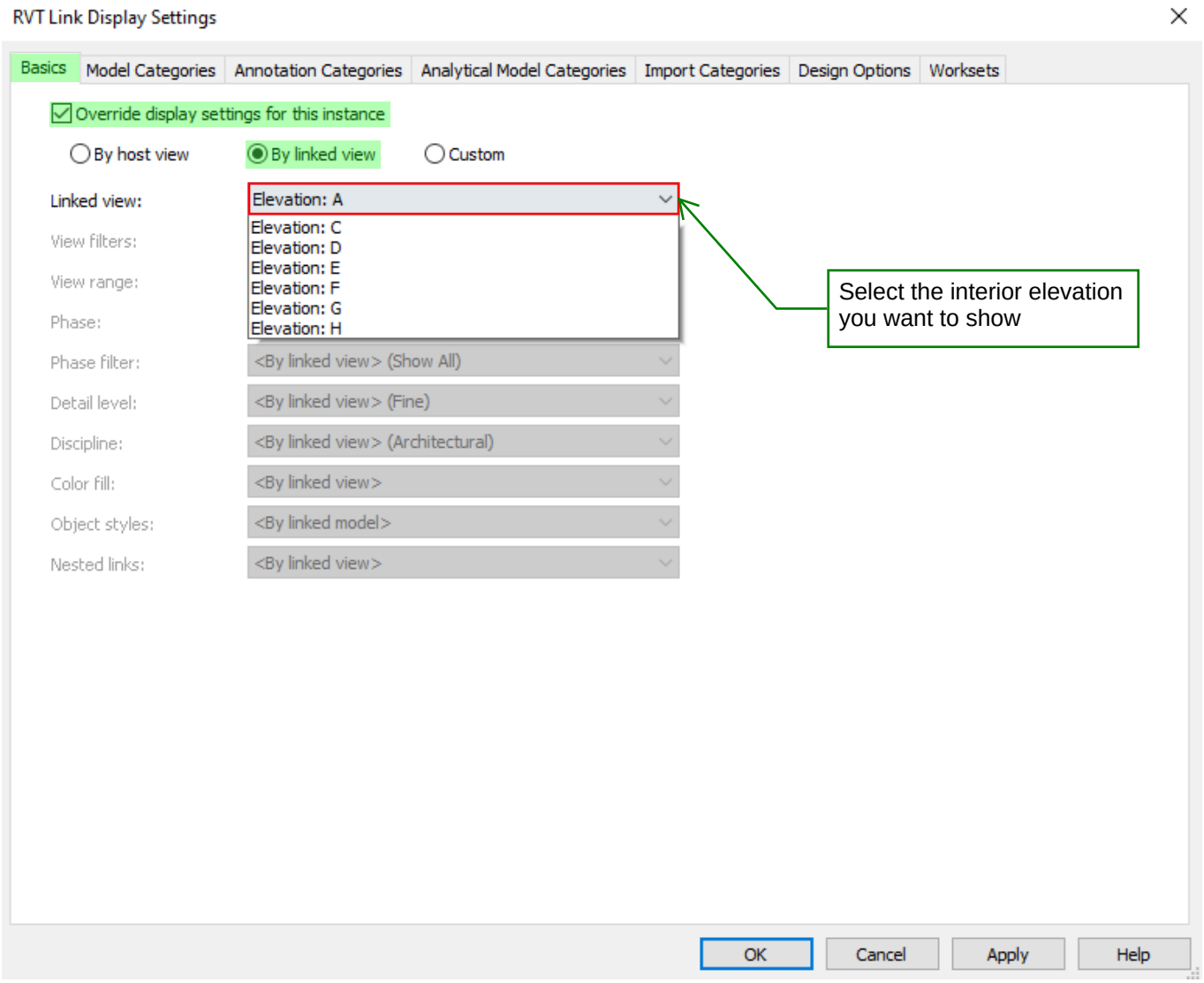
For interior elevations you need to create interior elevations in the central model unit floor plan. You have to cover the same range that you are covering in the Revit link unit interior elevation.



# LINKING UNIT PLANS

When you are done with the unit Revit link's views, you are going to link those views to the central model. You need to follow the next steps to do that correctly:

**05** For linking interior elevations you will follow the same process as the floor plan.



# LINKED UNIT DRAWINGS

## Revit link: Unit worksets.

- Unit Outline
- Unit Interior Walls
- Unit Interior
- Unit Guide Lines
- Furniture
- Unit Clear Floor Spaces