ARCHITECTURAL MODELING USING REVIT

DUPLICATION OF DOORS,WINDOWS AND
LOAD FAMILIES

DUPLICATION OF DOORS & WINDOWS, LOAD FAMILIES

In general, we are going two situations for editing of doors & windows they are
Change door & window dimensions
Change door & window material

Editing of door

To change door type,

·   select door do a right click⇒ select all instance⇒ entire project

·   Go to properties pallet⇒ instant properties⇒ drop down for converting another door type.

If you want to change a particular door we can go for duplication. After completion of duplication you will get clear idea about the

1. If duplication is done, what will be the changes in the door?

2. If duplication was not done, what would be the changes in the door?

Change door dimensions

For doing this

1.   Select door⇒ properties pallet⇒ edit type⇒ type properties

In type properties

1.   Family properties ⇒drop down

·   Single- flush

Remaining options in type properties

1. Load

        If you want to load another family type choose load

2. Duplicate

        If you want to duplicate the family type choose duplicate

3. Rename

        If you want to edit name of the family type choose rename

Go to type parameters ⇒ dimensions type ⇒change height & width⇒ click on apply and ok.

Duplication of door

1.Select door ⇒ edit type ⇒ duplicate option ⇒ change name ⇒click on ok

2. Change the values of door dimensions.

If you want to change door material & frame material also it is possible in type properties.

For changing material

1. Select door⇒ properties pallet ⇒ edit type ⇒ type parameters ⇒ material and finishes ⇒door material or frame material⇒ material asset browser

2. Search a suitable door material and assign those materials into the door type while selecting material by click on use render appearance in graphic tab ⇒ click ok or else double click on that material.

3. After completion of these all things in type properties dialogue box click on apply and ok.

Editing of windows

For changing window type

1. Select window do a right click ⇒ select all instance ⇒entire project

2. After that go to properties pallet ⇒ instant properties ⇒drop down ⇒ choose suitable window type.

If you want to change a particular wall we can go for duplication. After completion of duplication you will get clear idea about the

1. If duplication is done, what will be the changes in the window?

2. If duplication was not done, what would be the changes in the window?

Change window dimensions

For doing this firstly,

Select window ⇒ properties pallet ⇒edit type ⇒type properties

In type properties⇒ drop down

1.   Family properties⇒ drop down

·   Fixed

·   Window-casement-double

·   Window-double-hung

Remaining options in type properties

1. Load

        If you want to load another family type choose load

2. Duplicate

        If you want to duplicate the family type choose duplicate

3. Rename

        If you want to edit name of the family type choose rename

Go to type parameters ⇒ dimensions type ⇒ change dimensions ⇒ click on apply and ok.

Duplication of window

1. Select window ⇒edit type⇒ duplicate option ⇒change name⇒ click on ok.

2.change window dimensions as per convenience

If you want to change window material also possible in the type properties dialogue box. For changing material,

1. select window ⇒properties pallet⇒ edit type⇒ type properties ⇒ glass pane material or sash material⇒ material asset browser

2. search suitable material for window ⇒graphic tab⇒ click on use render appearance ⇒ click on ok or else double click on that material.

3. After completion of these all things in type properties dialogue box click on apply and ok.

Load family

When you load door and window families into a project, the Revit family library is accessed by default.

1.   Click on load family ⇒select family type⇒ (Load Family).

2.   In the Load Family dialog, double-click the category of the family that you want to load.

3. Preview any of the families (RFA) in the category:
    - To preview a single family, select it from the list.
      At the top right of the dialog, under Preview, a thumbnail image of the family displays.
    - To display a thumbnail image in the list for all families in the category, at the top right corner of the dialog⇒ click Views Thumbnails.
4. Select the family that you want to load, and click Open.
   The family type is now available to place into the project.