

CURTAIN WALLS _ HOW TO EDIT GRID LINES, MULLIONS, AND PANELS

NOVEMBER 4, 2012

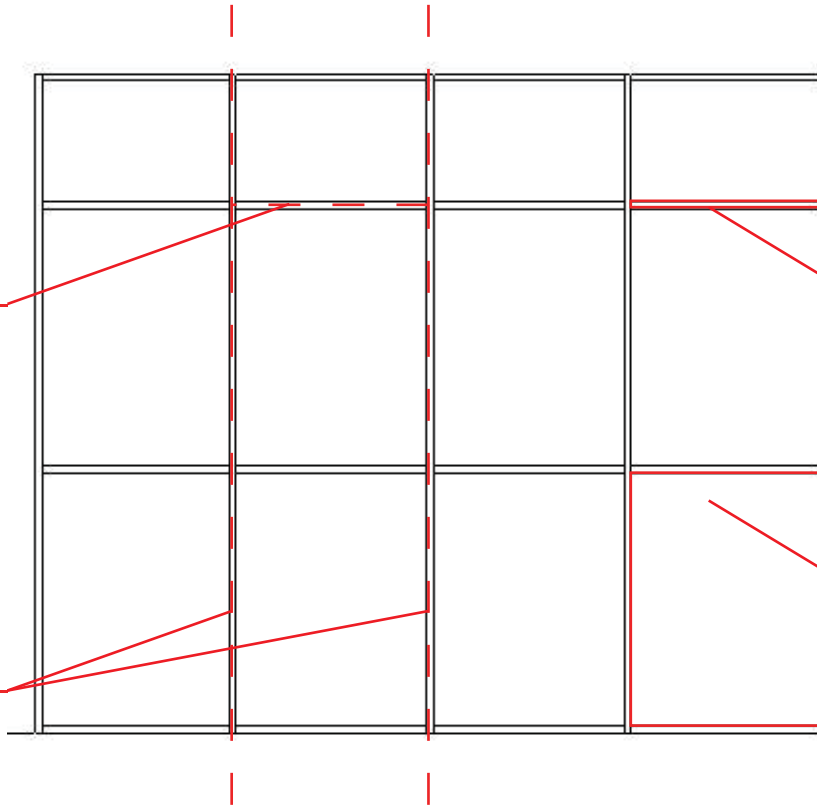
ARCH 2430

Default Rectangular Curtain Wall Elevation View

3 ELEMENTS MAKE UP
CURTAIN WALLS
Grid lines
Mullions
Panels

Grid line Segments:
compose grid lines

Curtain Wall Grid lines:
placement is defined
by the curtain wall
type properties



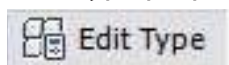
Curtain Wall Mullions:
hosted on grid lines

Curtain Wall Panels:
edges defined by
4 grid lines

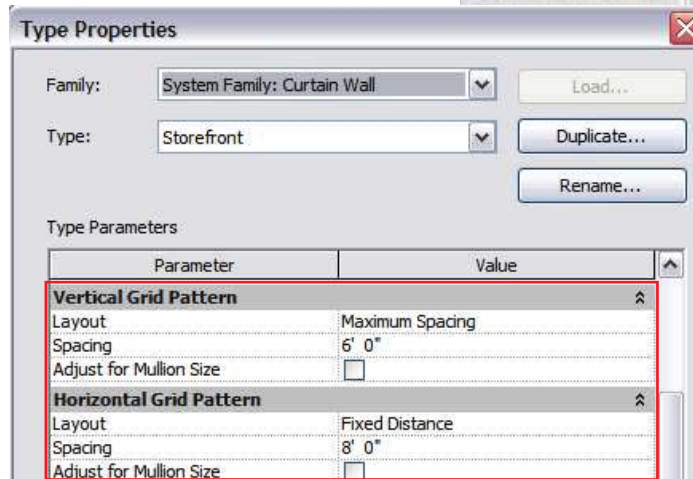
ADJUSTING GRID LINES

OPTION 1 - Spacing: Changing the wall type properties global

Click on the wall > Click Edit Type

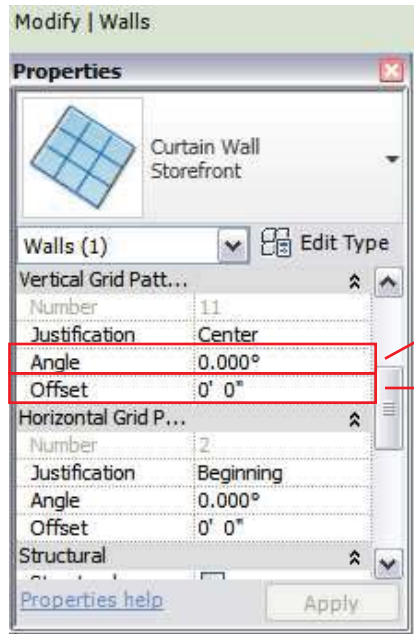


> Make adjustments to the Grid Patterns

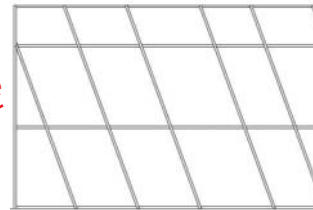


Note: Changes made to the type will be applies to all the walls of the same type

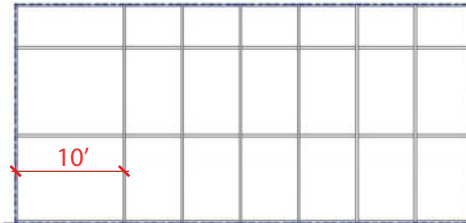
OPTION 2 - Justification: Changing the grid properties local
 Click on the wall > In the properties menu scroll down to grid pattern



60° example



10' example




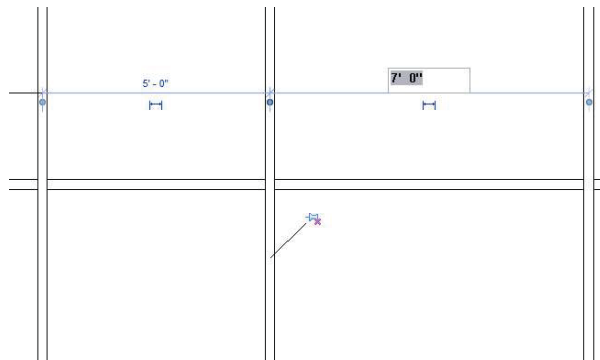
Note: Changes made to the wall here are instance changes and local to just this wall

> Make adjustments to the Grid Pattern justification or angle or offset

OPTION 3 - MOVE INDIVIDUAL GRID LINES

Move your mouse over the grid line to be moved > click to select it (tab as needed)

> Click the pin  to disassociate that grid line with the wall's type properties 



Note: This change disassociates grid lines with the type properties and may generate errors if the grid is adjusted again using option 1 or 2

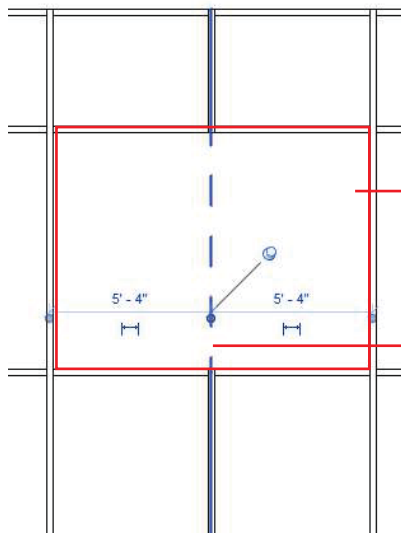
> Select the Grid line and drag or click on a dimension and edit as required

OPTION 4 - REMOVE GRID LINE SEGMENTS

Move your mouse over the grid line to be edited > click to select it (tab as needed)

> In the Modify Curtain Wall Grids Tab Click on Add / Remove Segments

> Click on the segment to be removed



Removing this segment creates 1 larger curtain wall panel

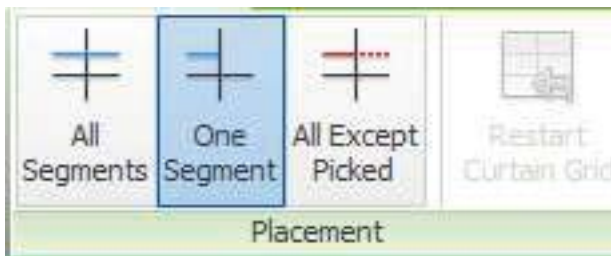
Removed segment


Note: To add a segment back to this grid line repeat this process

OPTION 5 - ADD CURTAIN WALL GRID LINES

> Click on the Architecture tab > Click on Curtain Grid  Curtain Grid

Use the Place Curtain Grid Tool to add new grid lines as needed



Note: Any new Curtain Grid lines placed will not be associated with the curtain wall's type properties (it will act as unpinned ) and may generate errors if the grid is adjusted again using option 1 or 2

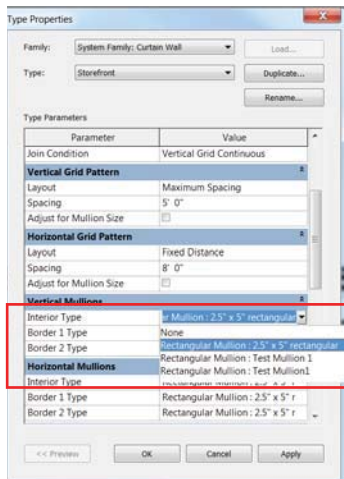
> Move mouse to desired location in the curtain grid, click to place

ADJUSTING MULLIONS

OPTION 1 - EDIT TYPE OF ALL MULLIONS



> Click on the wall > Click Edit Type 

> Select a new Mullion in the type properties menu

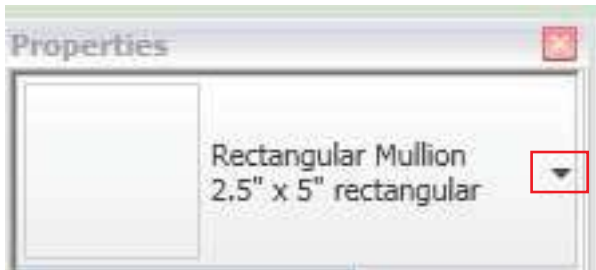


OPTION 2 - EDIT TYPE OF SELECTED MULLIONS

Move your mouse over the mullions > click to select it (tab as needed)



> Click the pin  to disassociate that mullions with the wall's type properties 

> In the properties palette click on the drop down menu to display the curtain panels loaded in the project > Click on the replacement mullion



OPTION 3 - DELETE MULLIONS

Move your mouse to the edge of the mullion > click to select it (tab as needed)

> Click the pin  to disassociate that mullion with the wall's type properties 

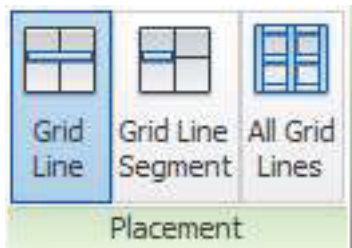
> Hit delete

**Note: Mullions are hosted by Grid lines
deleting a mullion does not effect the Grid line**

OPTION 3 - ADD MULLIONS

In the architecture tab click Mullion 

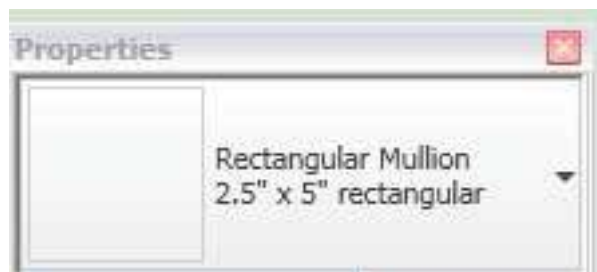
> Select a placement option the place mullion tab



> Click on a grid line

**Note: Mullions are hosted by Grid lines
to add a new mullion insure the
required Grid line is in place**

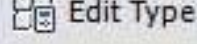
**Note: Pay attention to the type of mullion
to be added in the properties pallet**

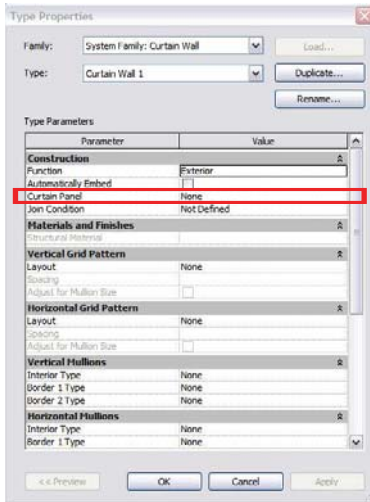


Note: Mullions are hosted by Grid lines to move a Mullion, move the Grid line which hosts it

ADJUSTING CURTAIN WALL PANELS



OPTION 1 - EDIT TYPE OF ALL PANELS

- > Click on the wall > Click Edit Type 
- > Select a new Panel in the type properties menu



OPTION 2 - EDIT TYPE OF SELECTED PANELS

Move your mouse over the panel > click to select it (tab as needed)



- > Click the pin  to disassociate that panel with the wall's type properties 

- > In the properties palette click on the drop down menu to display the curtain panels loaded in the project > Click on the replacement panel

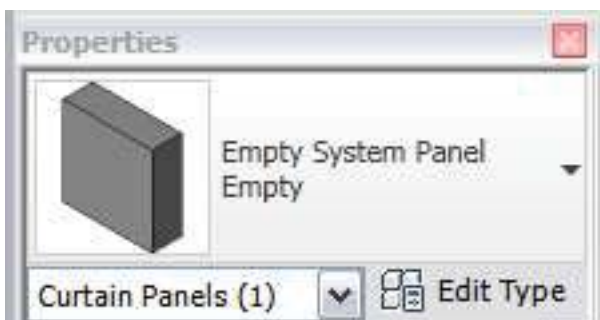


OPTION 3 - "DELETE" PANELS

Move your mouse to the edge of the panel > click to select it (tab as needed)

- > Click the pin  to disassociate that mullion with the wall's type properties 

- > In the properties palette click on the drop down menu to display the curtain panels loaded in the project > Click on the empty panel



Note: Panels are hosted between Grid lines to delete a "seam" in the panel delete the Grid line