

REVIT CURTAIN WALLS / SYSTEMS

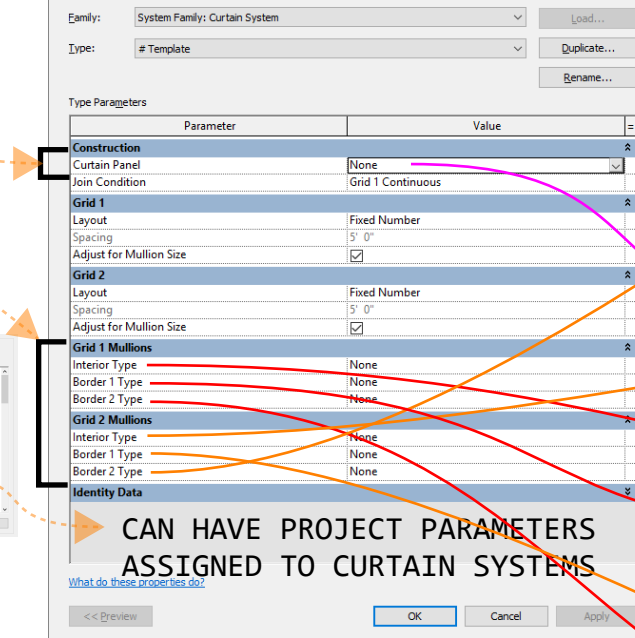
CURTAIN WALL/SYSTEM TYPES CURTAIN WALL/SYSTEM COMPONENT TYPES

- Annotation Symbols
- Cable Trays
- Ceilings
- Conduits
- Curtain Panels
- Curtain Systems
- Curtain Wall Mullions
- Detail Items
- Doors
- Duct Systems
- Ducts
- Flex Ducts
- Flex Pipes
- Floors
- Pipes
- Piping Systems
- Profiles
- Railings
- Ramps
- Roofs
- Site
- Stairs
- Structural Beam Systems
- Structural Foundations
- Walls
 - Basic Wall
 - Curtain Wall
 - Stacked Wall

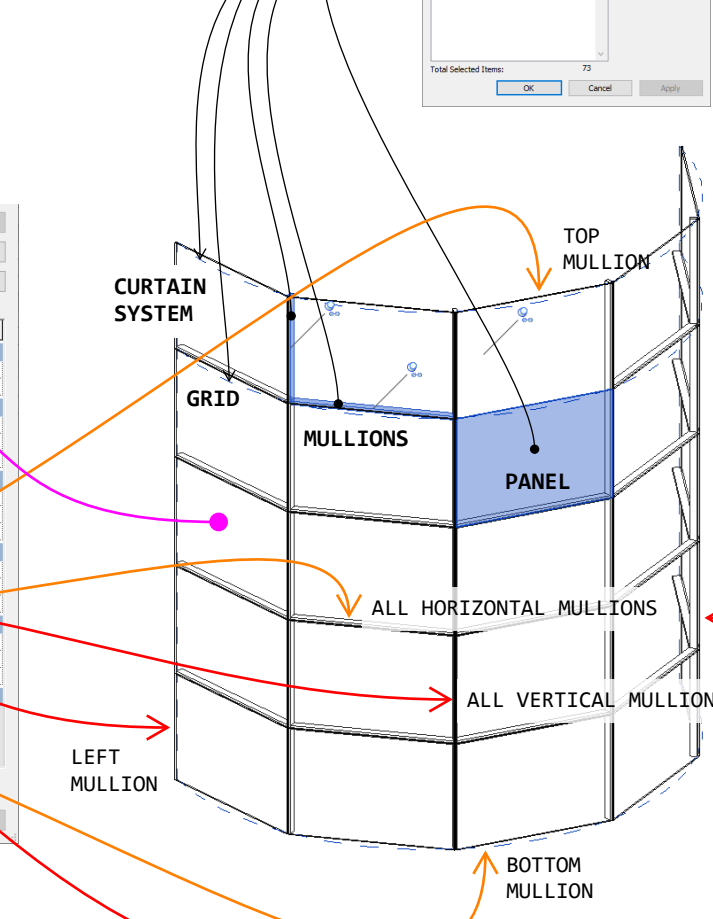
CURTAIN SYSTEMS

SYSTEM FAMILIES DESIGNED TO WORK WITH ORGANIC SURFACES ON MASS OBJECTS. THEY ARE ALMOST IDENTICAL TO CURTAIN WALLS WITH A FEW EXCEPTIONS NOTED HERE.

TYPE PROPERTIES



CAN HAVE PROJECT PARAMETERS ASSIGNED TO CURTAIN SYSTEMS



NOTE: BE CAREFUL WHEN SELECTING CURTAIN SYSTEMS. THE CURTAIN SYSTEM CATEGORY IS THE PARENT OF ALL ITS SUB-COMPONENTS.

CURTAIN SYSTEMS:

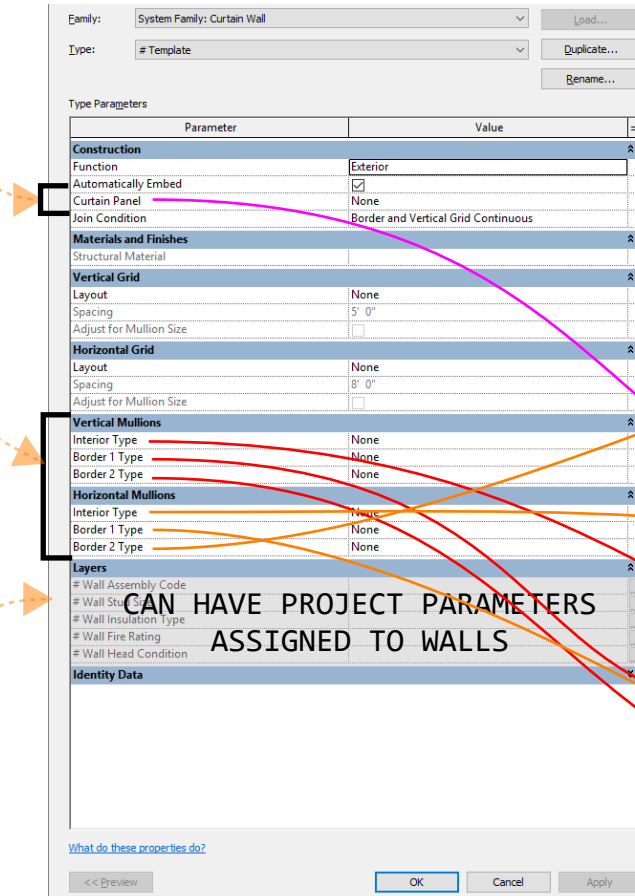
- CURTAIN PANELS
- CURTAIN GRIDS
- CURTAIN MULLIONS

IF YOU WANT TO SELECT EVERYTHING, JUST SELECT THE CURTAIN SYSTEM SINCE IT IS THE PARENT ELEMENT.

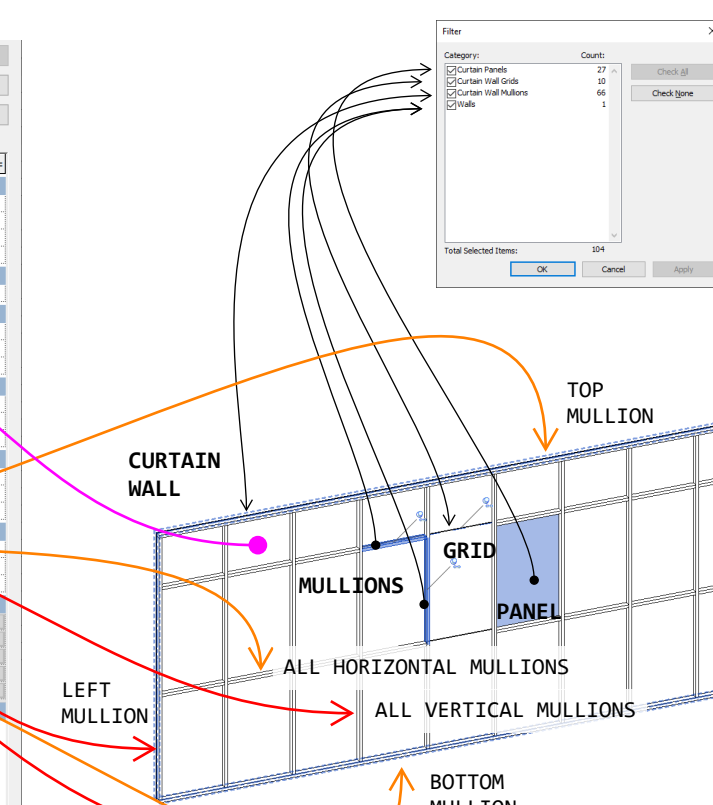
CURTAIN WALLS

SYSTEM FAMILIES DESIGNED TO WORK LIKE STANDARD WALL ELEMENTS.

TYPE PROPERTIES



CAN HAVE PROJECT PARAMETERS ASSIGNED TO WALLS



NOTE: BE CAREFUL WHEN SELECTING CURTAIN WALLS. THE WALL CATEGORY IS THE PARENT OF ALL ITS SUB-COMPONENTS.

WALLS:

- CURTAIN PANELS
- CURTAIN GRIDS
- CURTAIN MULLIONS

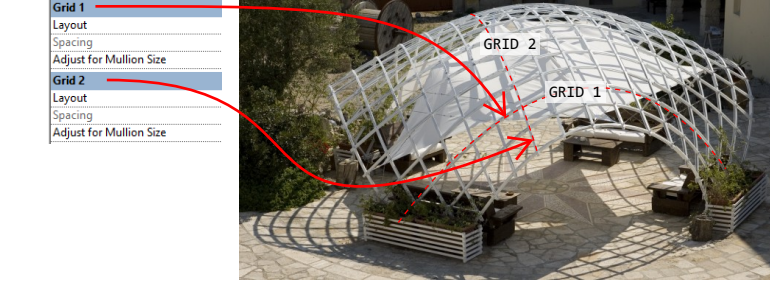
IF YOU WANT TO SELECT EVERYTHING, JUST SELECT THE WALL SINCE IT IS THE PARENT ELEMENT.

GRID LAYOUTS

GRID LAYOUT IS A TYPE SETTING AND IS IDENTICAL BETWEEN CURTAIN SYSTEMS AND CURTAIN WALLS.

GRID LAYOUT DEFINES THE LAYOUT OF GRIDS IN BOTH DIRECTIONS.

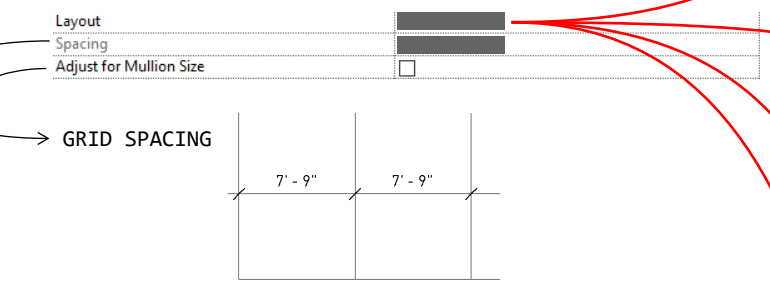
NOTE: IN CURTAIN SYSTEMS THE TWO DIRECTIONS ARE CALLED GRID 1 AND GRID 2 SINCE THESE SYSTEMS ARE DESIGNED FOR MORE ORGANIC SURFACES THAT ARE NOT NECESSARILY VERTICAL.



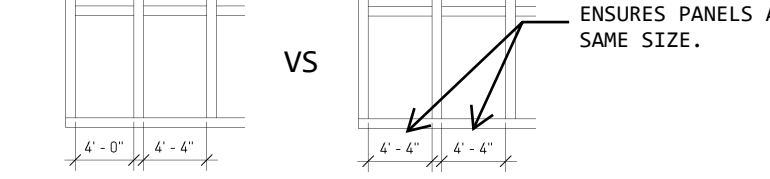
DEFINING GRID LAYOUTS "BY TYPE"

DEFINE GRID LAYOUT IN THE GRID WALL/SYSTEM TYPE WHEN LAYOUT IS UNIFORM AND MUST FOLLOW A LOGIC THAT IS PROVIDED IN TYPE CONFIGURATIONS.

GRID LAYOUT TYPE PROPERTIES

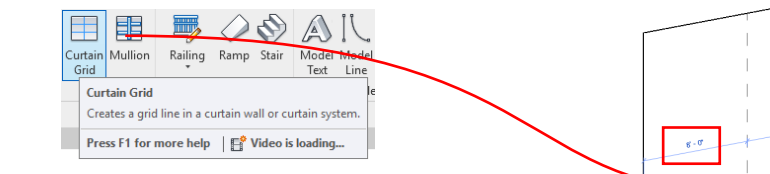


ADJUSTS THE POSITION OF TYPE-DRIVEN GRIDLINES TO ENSURE THAT CURTAIN PANELS ARE OF EQUAL SIZE, WHENEVER POSSIBLE. SOMETIMES WHEN MULLIONS ARE PLACED, PARTICULARLY ON BORDERS OF CURTAIN HOSTS, IT CAN RESULT IN PANELS OF UNEQUAL SIZE, EVEN IF THE LAYOUT IS SET TO FIXED DISTANCE.

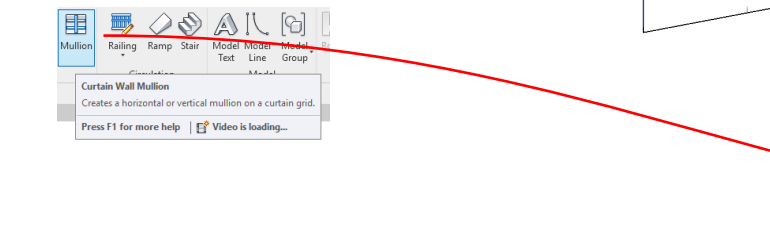


DEFINING GRID LAYOUTS "BY INSTANCE"

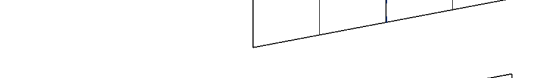
USE THE CURTAIN GRID TOOL TO ADD CUSTOM GRID LINES TO THE CURTAIN WALL/SYSTEM AT DESIRED OFFSETS



THEN USE THE MULLION TOOL TO ATTACH A MULLION TO THE GRID LINE

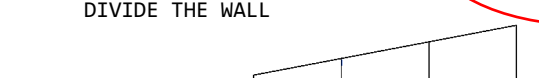


FIXED DISTANCE



FIXED NUMBER

WITH FIXED NUMBER, THE "NUMBER" INSTANCE PARAMETER WILL BE USED TO DIVIDE THE WALL



MAX SPACING

WILL NOT BE LARGED THAN SPECIFIED



MIN SPACING

WILL NOT BE SMALLER THAN SPECIFIED

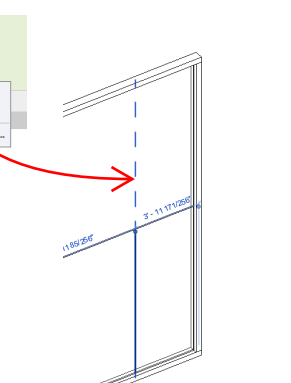


INSTANCE PROPERTIES

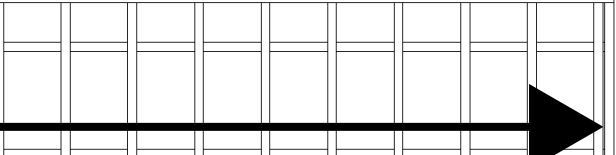
Constraints	
Vertical Grid	
Number	2
Justification	Beginning
Angle	30.0
Offset	2' - 0"
Horizontal Grid	
Number	
Justification	Beginning
Angle	0.00°
Offset	0' 0"
Structural	
Dimensions	
Identity Data	
Phasing	

REMOVING A GRID SECTION

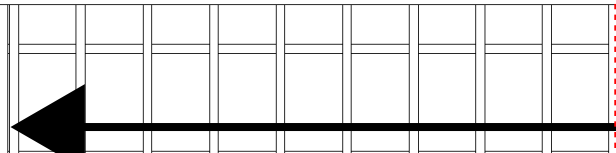
- 1) SELECT THE GRID LINE
- 2) USE THE ADD/REMOVE GRID SEGMENT TOOL
- 3) CLICK ON THE SECTION TO ADD OR REMOVE



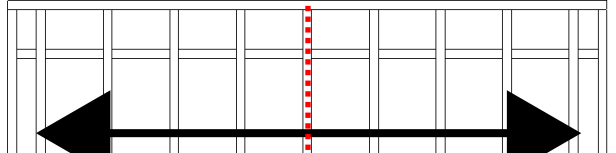
BEGINNING



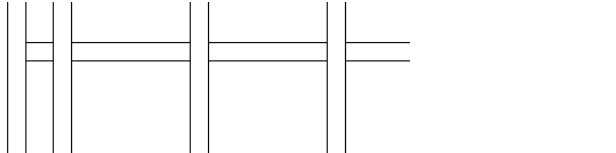
END



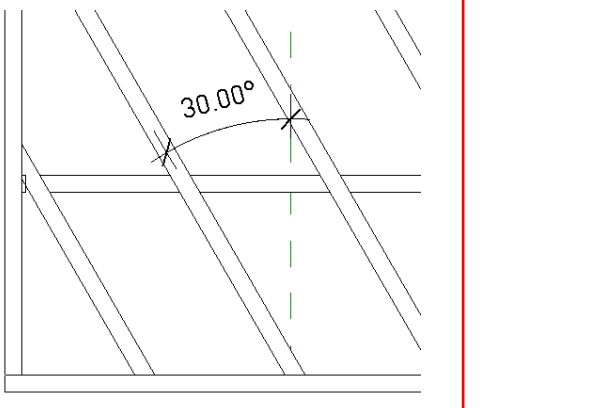
CENTER



STARTING OFFSET



GRID ANGLE FROM DEFAULT

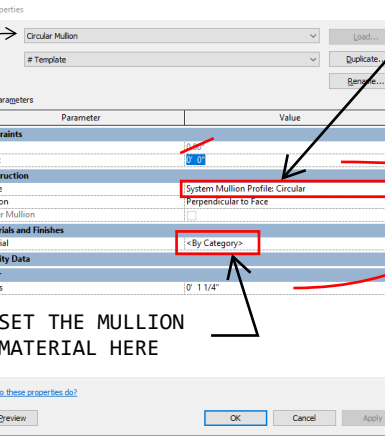


ONLY EXISTS FOR CURTAIN WALLS

GRID MULLIONS

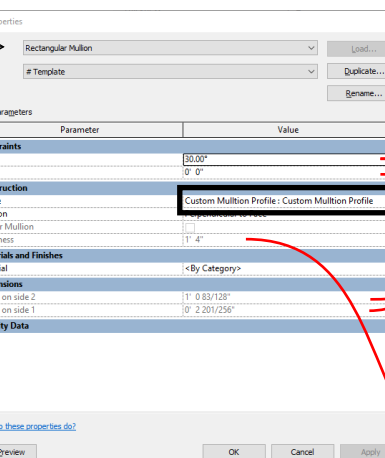
- Curtain Wall Mullions
 - Circular Mullion
 - L Corner Mullion
 - Quad Corner Mullion
 - Rectangular Mullion
 - Trapezoid Corner Mullion
 - V Corner Mullion

CIRCULAR MULLION



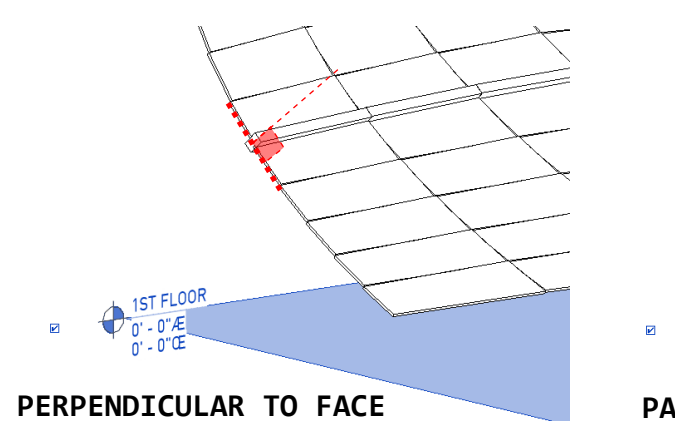
SURPRISINGLY YOU CAN SELECT "SYSTEM MULLION PROFILE: RECTANGULAR" FROM HERE AS WELL. BUT THAT'S VERY CONFUSING. DO NOT DO THAT.

RECTANGULAR MULLION



MULLION POSITION

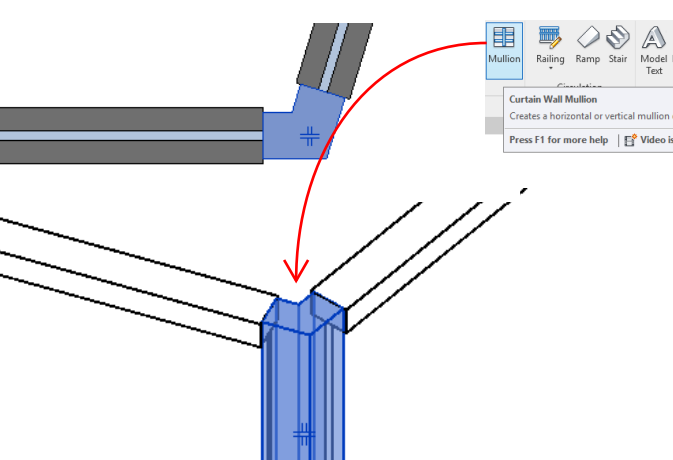
ON ANGLED WALLS OR COMPLEX ORGANIC SURFACES, YOU CAN SET THE HORIZONTAL MULLIONS TO BE PARALLEL TO GROUND OR PERPENDICULAR TO THE SURFACE.



CORNER MULLIONS

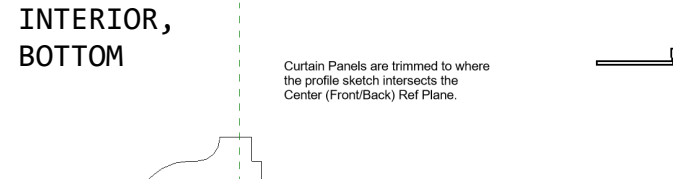
- Curtain Wall Mullions
 - Circular Mullion
 - L Corner Mullion
 - Quad Corner Mullion
 - Rectangular Mullion
 - Trapezoid Corner Mullion
 - V Corner Mullion

- 1) JOIN THE WALLS.
- 2) DELETE ALL THE MULLIONS AT THE CORNER.
- 3) USING THE MULLION TOOL,
- 4) CHANGE THE TYPE TO THE CORRECT CORNER MULLION TYPE,
- 5) PLACE ONE MULLION AT THE CORNER,



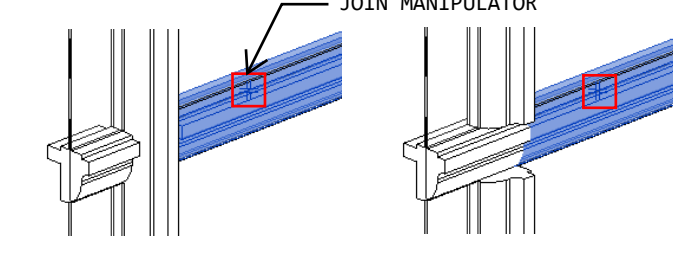
MULLIONS WITH CUSTOM PROFILE

YOU CAN CREATE A NEW TYPE AND SELECT A DIFFERENT PROFILE FOR THE MULLION.



MULLION JOINS

USE THE JOIN MANIPULATOR TO FLIP THROUGH MULLION JOINS

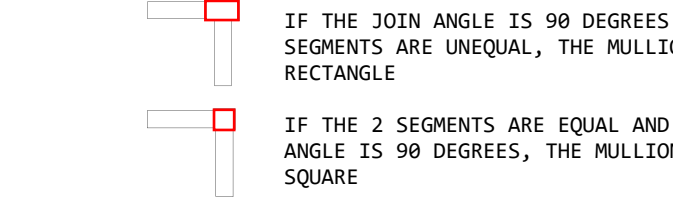


L-CORNER MULLION PANELS OF CURTAIN WALLS OR SLOPED GLAZING MEET THE ENDS OF THE MULLION LEGS. YOU CAN SPECIFY THE LENGTH AND THICKNESS OF THE MULLION LEGS IN THE TYPE PROPERTIES OF THE MULLION.

V-CORNER MULLION PANELS OF CURTAIN WALLS OR SLOPED GLAZING MEET THE SIDES OF THE MULLION LEGS. YOU CAN SPECIFY THE LENGTH AND THICKNESS OF THE MULLION LEGS IN THE TYPE PROPERTIES OF THE MULLION.

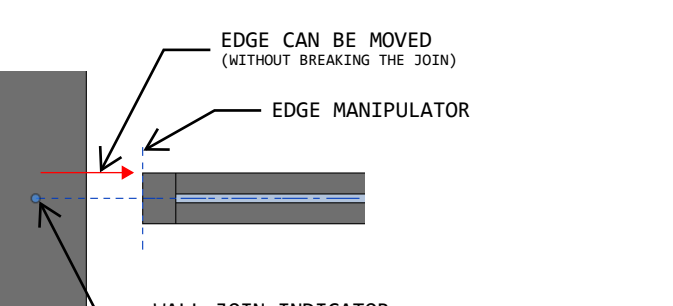
TRAPEZOID CORNER MULLION PANELS OF CURTAIN WALLS OR SLOPED GLAZING MEET AT THE SIDES OF THE MULLION LEGS. YOU CAN SPECIFY THE CENTER WIDTH AND LENGTH ALONG THE SIDES THAT MEET THE PANELS IN THE TYPE PROPERTIES OF THE MULLION.

QUAD CORNER MULLION PANELS OF CURTAIN WALLS OR SLOPED GLAZING MEET AT THE SIDES OF THE MULLION LEGS. YOU CAN SPECIFY THE DEPTH OF THE MULLION IN 2 SEGMENTS.



JOIN LOCATION

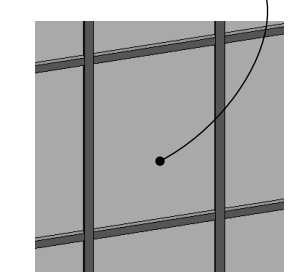
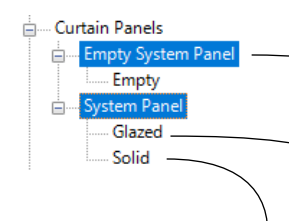
WHEN JOINING A CURTAIN WALL WITH A NORMAL WALL, TAB THROUGH THE MANIPULATORS OF THE WALL EDGE AND PULL THE EDGE MANIPULATOR TO WHERE DESIRED.



GRID PANELS

CURTAIN PANELS CAN BE:

SYSTEM CURTAIN PANELS



DOORS WINDOWS

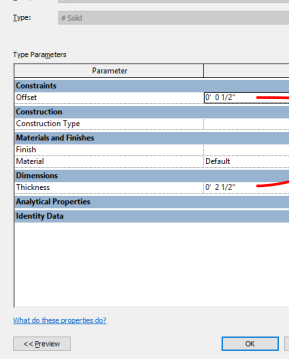


OTHER WALL TYPES

WALLS AS CURTAIN WALL PANELS



TYPE PROPERTIES



JOINING PANELS

PANELS WILL BE AUTOMATICALLY JOINED WHEN GRID LINE SEPARATING THE PANELS IS REMOVED.

