**20\_Editing and meshing areas**

This is a slab element.

To change its shape click on reshape object shortcut button and then click on slab itself in the middle to show white handles for editing.

Now you can move any point to new location and press enter.

Or you can actually select a point of this slab and move that point,

Or you can even align this point to a nearest line.

You can also move the whole slab to a new location by clicking inside and then dragging it to new location.

All these actions can also be done on walls.

For example go to elevation view

And edit this wall from its nodes.

Notice the wall cannot go below this level.

Now let's mesh slab areas.

Sometimes you need to mesh or divide the walls and slabs and other times not for the reasons discussed in next section in defining area section lecture.

You can divide this slab from mesh area option in edit menu.

There are number of options. Let's divide the slab in 2 by 2 equal parts and click ok.

So one slab is divided into 4 slabs with new nodes or points in between.

If we draw a line in between this slab and want to divide this slab at this line. You can do so by going again to mesh tool in edit menu and then clicking on cookie cut at selected line objects.

You can also click on last option that is intersection with selected line object to get the same results.

Let's divide this slab at this point. Select this slab and this point and open mesh tool and then select cookie cut at selected point at 0 degrees.

It will cut the slab at 0 degrees in all four directions.

You can also divide a slab at this point only in one direction by clicking on selected point objects on edges.

Similarly you can divide this slab at intersection with grids from this option.

Same techniques for dividing the areas also apply to wall elements.

For example let's divide this wall in 2 x 2 areas.