

Wall Auto Mesh Options

Form: Shell Assignment - Wall Auto Mesh Options

Use the Shell Assignment - Wall Auto Mesh Options form to control meshing of shell objects.

1. Select the wall object to be meshed or marked so as not to be meshed.
2. Click the Assign menu > Shell > Wall Auto Mesh Options command to access the Shell Assignment - Wall Auto Mesh Options form.
3. Select the appropriate option(s):
 - **Default: No Meshing for Straight Walls with No Openings - Otherwise Auto Rectangular Mesh** option. The selected object will not be meshed if the wall is straight. If the wall is curved, the *Auto Rectangular Mesh Settings* (see below) will be applied in meshing the wall.
 - **Mesh Object into {Specify Number} Vertical and {Specify Number} Horizontal** option. Specify how the object is to be meshed by specifying the number of vertical and horizontal elements.
 - **Auto Rectangular Mesh** option. The *Auto Rectangular Mesh Settings* (see below) will be applied in meshing the wall.
 - **Add Restraints/Constraints on Edge if Corners have Restraints/Constraints** check box. When this check box is checked, ETABS adds restraints or constraints at the mesh joints on the edges of the meshed object if the selected object has restraints or constraints assigned to the joints defining the corners of the shell object.
 - **Advanced - Modify/Show Auto Rectangular Mesh Settings** button. Click the button to display the [Automatic Rectangular Mesh Settings \(for Walls\) form](#). Use the form to specify the approximate maximum size of the mesh when wall-type shell options use auto rectangular meshing.
4. Click the Apply button to complete the assignment.

When the Apply button is used, the Shell Assignment - Wall Auto Mesh Options form will remain open until it is closed by clicking the Close button. This allows selection of another shell object(s), to which a different assignments can be made.

If only one assignment is being made to only one set of selected objects, the OK button can be used to both apply the assignment and close the form.