

Q: When attaching a wall and beam, do they attach at a single point or at two points?

A: If the beam is framing into the wall from a perpendicular point then the beam end joint will be attached to the wall. If the beam is running parallel to the wall (and within the wall plane) then the beam will be attached to the wall at all joints along its length.

Q: Did you have the floor levels defined in the wall grouping example?

A: There were two wall stacks modeled within RISA-3D, one was a multiple story single wall with diaphragms and the other was made up of individual walls drawn story to story. The grouping checkbox will control the all reinforcement defined within one wall.

Q: Is it possible to print "ALL" the detailed wall reports for IN and OUT and all Regions for all walls without having to do each one individually?

A: You currently have to print them individually but we are working on customizable reports which would allow you to select multiple regions and openings in a single report.

Q: Does the wall design consider ACI 318 21.7 ("coupling beams" for seismic), or flag when this is code section is applicable?

A: RISA doesn't currently include the seismic design criteria for concrete walls. However, this is something we do plan to add in the future.

Q: When you model closed walls, how does it treat the joint. Are the properties of the closed section used? Do the boundary forces distribute to the adjacent flanges?

A: Although wall panels can transfer forces to adjacent wall panels, the reinforcement in each panel is considered separately.

Q: Can you extract global shear and moment diagrams for multi-story walls? All I saw were one story element forces.

A: You currently can display the force diagrams for each region within a wall. There isn't an option to display these in the full 3D view as there would be a lot overlapping text and diagrams between regions.

Q: In the last lintel example, for the shallow lintel, in the detail report I there is no moment shown at the end of the lintel where it meets the adjacent full height wall section. Am I misreading the results?

A: Lintels are considered pin-pin so you won't see any moment transfer at their ends. We plan to add an option for a fixed end lintel in a future release.

Q: In your example, you showed interior walls connected to the same diaphragm as exterior foundation walls with rigid foundations. How can I see the shear reversal in the interior walls that occurs at this condition?

A: Debbie modeled lower story walls that were not retaining walls so they did not have any out of plane load. We would recommend only modeling retaining walls within RISAFoundation - not within RISA-3D.

Q: How can I see the collector forces at the connection between the diaphragms and the walls?

A: You can select just the wall you want the forces for and then use the Internal Force Summation tool to find the total force coming to that wall from the diaphragm.
