

SECTION 4. DESIGN OF WALLS FOR COMBINED COMPRESSION AND BENDING

If a wall is subjected to out-of-plane lateral loads in addition to axial compression loads it is necessary to check the wall for combined compression and bending. When designing by refined calculation this is a very simple task:

Step 1: Calculate the bending moment due to out-of-plane lateral loads and check the adequacy of the wall for the bending moment using the table in Section 3. Note that the wall must be reinforced for bending.

Step 2: Check that the applied axial compression load is not greater than 85% of the axial load capacity of the wall panel given in the appropriate Table in Sections 2.2.1 to 2.2.4