Read Sections 8.4.1, 8.4.2, and 12.2.2 in the MDG

Check the same masonry wall analyzed for HW #1 for axial and out-of-plane flexure, but with #5 reinforcing bars added every 48”. Analyze only the load combination D + W.

Strain at top of masonry = 0.000211
Neutral axis is located 1.216” from the compression face

Repeated from HW #1:
12” CMU, density = 110 pcf, Mortar Cement Type S
f’m = 2000 psi

Height = 20’, simply supported at top and bottom

P₀ = 300 plf
Pᵢ = 1000 plf
Wind = 25 psf