

Small Floor Plate	Additional Fire Safety Exit Stair	25% Fire Safety Exit Stair Width Increase
<p>Scenario 4: SMALL (HOTEL)</p> <p>Location: Midtown Manhattan</p> <p>Height: 466' (> 420')</p> <p>Stories: 49 (5 stories @ 14' high, 44 stories @ 9' high)</p> <p>Dimensions of Lowest Story: 180' x 120'</p> <p>Dimensions of Highest Story: 90' x 110'</p> <p>Gross Floor Area: 543,600 sf</p>	<p>Floor space for one 44" wide, 9' high stair = 141 sf (as per attached drawing)</p> <p>Floor space for one 44" wide, 14' high stair = 184 sf (same as office)</p> <p>Final # of stories = 49 + 1* = 50 stories</p> <p><i>*Additional story to accommodate exempted square footage.</i></p> <p>141 sf per story x 45 stories = 6,345 sf 184 sf per story x 5 stories = 920 sf</p> <p>Area of highest story = 90' x 110' = 9,900 sf</p> <p>(6,345 + 920 = 7,265) sf / 9,900 sf = 0.73 additional stories</p> <p>The proposed action results in 7,265 square feet added to the bulk of the 543,600 sf building, which is 1.3% of the original building's floor area or about ¾ of an additional story.</p>	<p>25% increase in stair width, 9' high stair = 43 sf (as per attached drawing)</p> <p>25% increase in stair width, 14' high stair = 52 sf (same as office)</p> <p>43 sf x 2 (stairways, required) = 86 sf 52 sf x 2 (stairways, required) = 104 sf</p> <p>Final # of stories = 49 + 1* = 50 stories</p> <p><i>*Additional story to accommodate exempted square footage.</i></p> <p>86 sf per story x 45 stories = 3,870 sf 104 sf per story x 5 stories = 520 sf</p> <p>Area of highest story = 90' x 110' = 9,900 sf</p> <p>(3,870 + 520 = 4,390) sf / 9,900 sf = 0.44 additional stories</p> <p>The proposed action results in 4,390 square feet added to the bulk of the 543,600 square foot building, which is 0.8% of the original building's floor area or less than ½ of an additional story.</p>