Based on the attached drawings determine the MINIMUM design live load or roof live load that would be acceptable per ASCE 7-10 for the following cases. Assume the roof is not open to the public.

A. The uniform load to the roof beam along line A: _________ plf
B. The uniform load to the roof beam along line B: _________ plf
C. The building is used for light manufacturing (ignore roof load).
   a. The uniform load to the third floor beam along B: _________ plf
   b. The point load to column B5 from the ground floor to the second floor: _________ kip
D. The building is used as a fixed-seating theater (ignore roof load).
   a. The uniform load to the third floor beam along B: _________ plf
   b. The point load to column B5 from the ground floor to the second floor: _________ kip
E. The building is an office (ignore roof load).
   a. The uniform load to the third floor beam along B: _________ plf
   b. The point load to column B5 from the ground floor to the second floor: _________ kip
F. The building is a restaurant (ignore roof load).
   a. The uniform load to the third floor beam along A: _________ plf
   b. The uniform load to the third floor beam along B: _________ plf
   c. The point load to column B5 from the ground floor to the second floor: _________ kip
   d. The point load to column B5 from the second floor to the third floor: _________ kip