PART B

1. Specified load combinations are used in modeling.
2. From modal analysis, from SRSS force is 589.7 kn and from the code it is 540.27 kN. So, when we check the equation there is not problem with shear.
3. When we check drift displacements, maximum drift displacements are seen as 0.02, in the code it is specified as 0.06, so there is not a problem with drift.
4. Not necessary

7. Building provides sufficient strength under EQ region. It is compatible to region 1.