

1086-VJ-2350 **Aliska L Gibbins*** (gibbins@math.osu.edu), Department of Mathematics, 231 W. 18th Ave,
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Buildings were first developed to understand certain classes of groups, but they are beautiful objects in their own right. Loosely, buildings are highly symmetric simplicial complexes. We begin by describing certain spherical buildings and building their geometric realizations. We will use a procedure introduced by Davis in "Examples of buildings via covering spaces" to produce non-spherical buildings from these. We will end by comparing the automorphism groups of the spherical building and the new non-spherical building. (Received September 25, 2012)