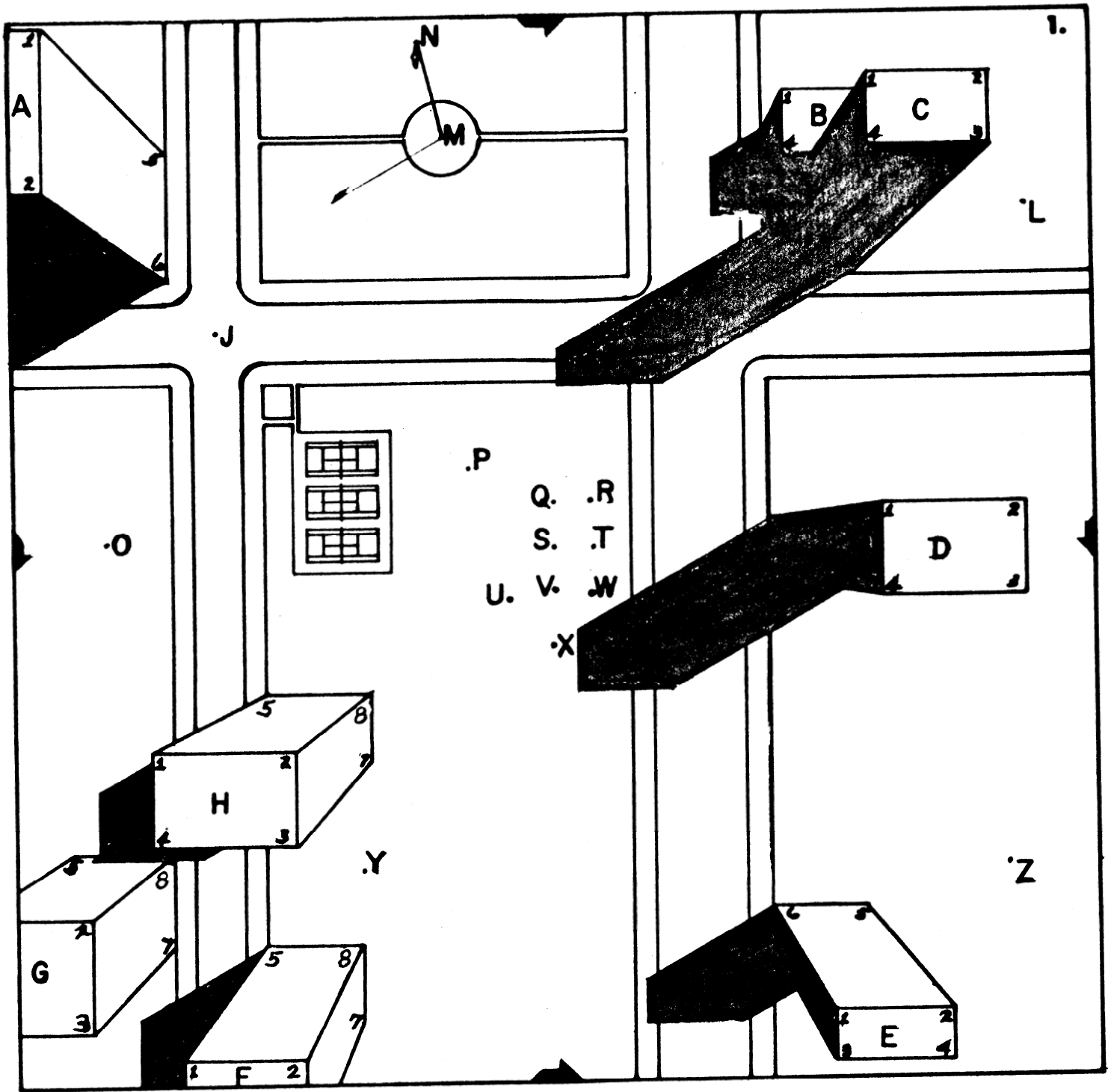


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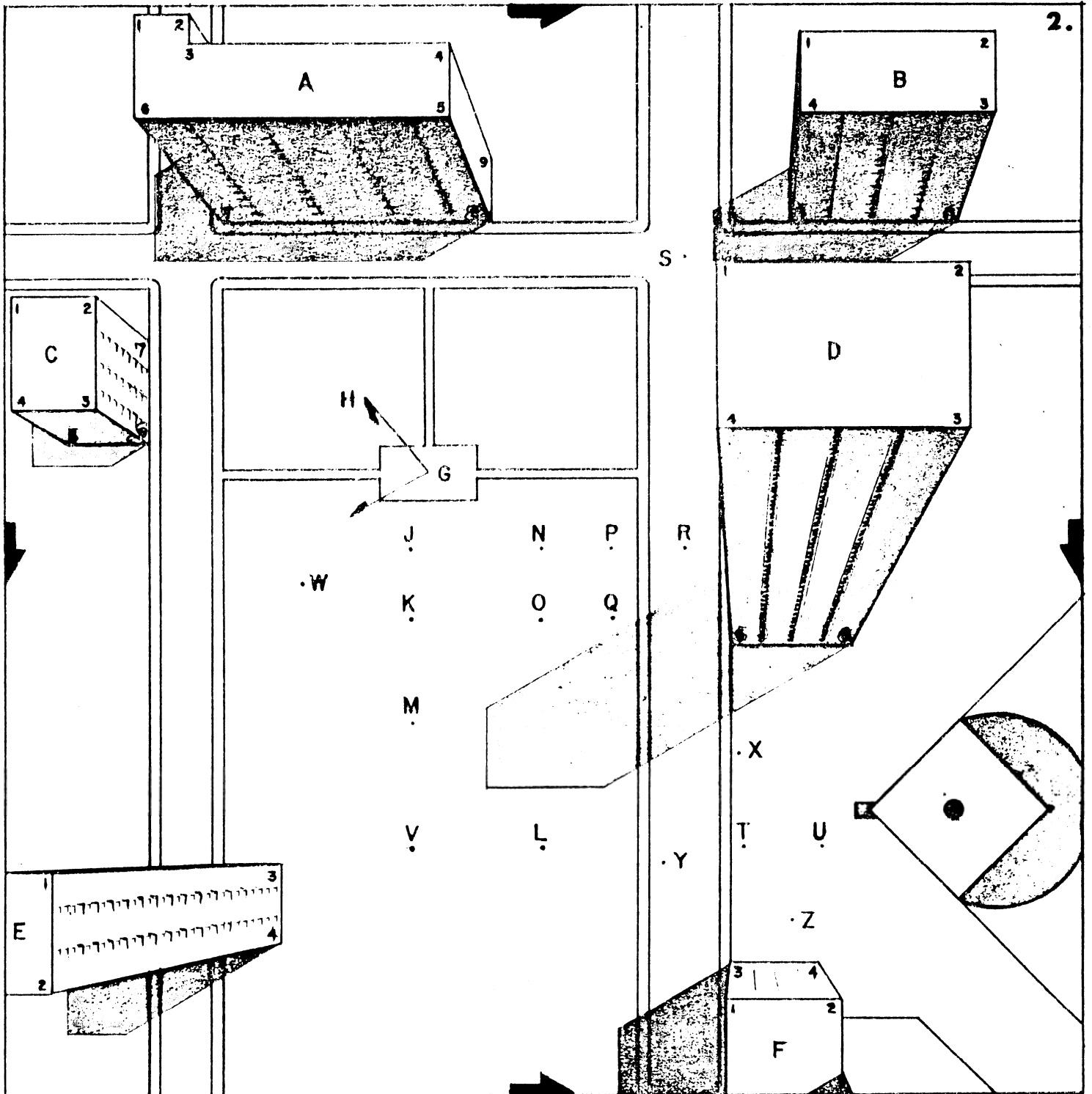
**SURE 340 - Photogrammetry
Exercise #1**

Spring 2008/09

1. In Photodiagram No. 1, compute the distance between points J and Z. The “image” was captured from an aerial camera with a 5.95” focal length at a flying height of 1,000’ above “sea level”. The elevations of the ground points were found to be: $h_J = 401'$ and $h_Z = 287'$.
2. The elevation of point M is known to be 352'. What is the height of the flagpole on Photodiagram No.1?
3. Given a focal length of 6.50” and a flying height above “sea level” of 3,000’, compute the tilt in Photodiagram #2.
4. What is the amount of tilt displacement for points K, L, and V?



Photodiagram No. 1



NO. 2