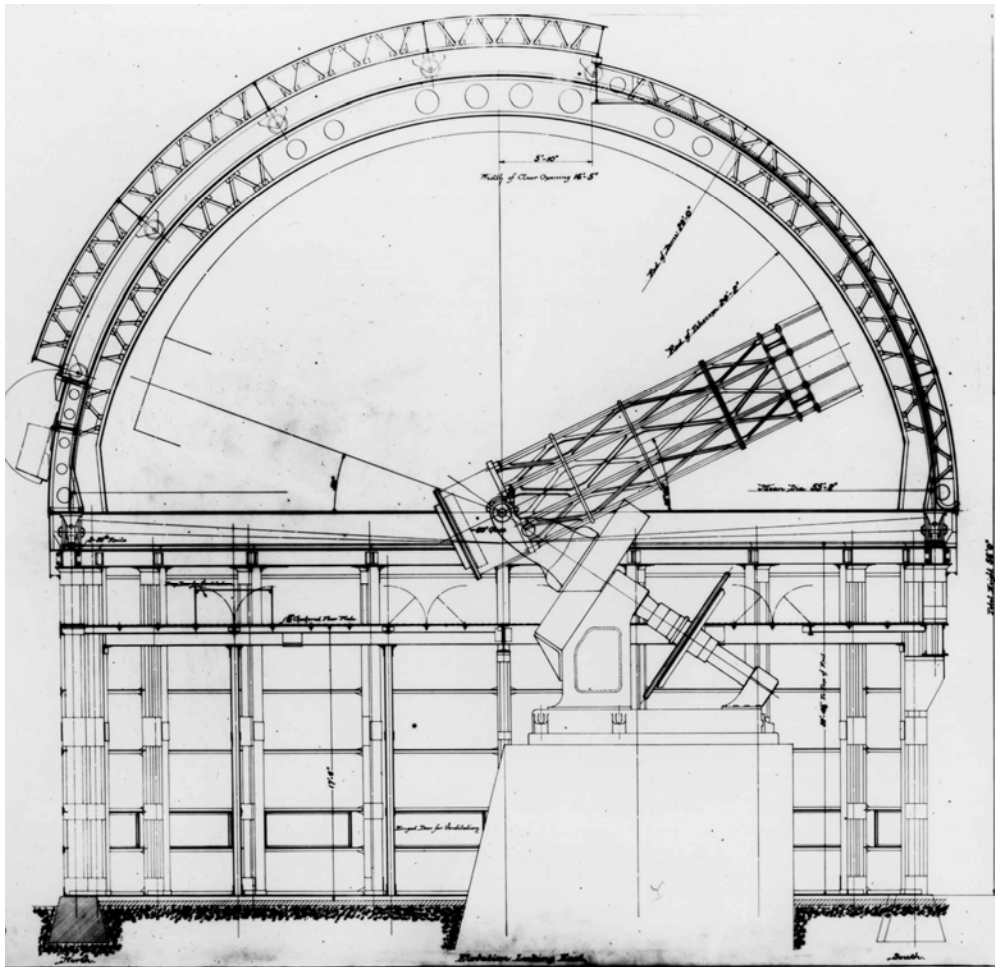


## *Mount Wilson 60-inch Information for the More Advanced Amateur Astronomer*

The telescope is a bent-Cassegrain reflector whose primary mirror has a diameter of 60 inches, a focal ratio of f/16 and focal length of 960 inches or 2438 cm. It is currently equipped with 4-inch diameter eyepieces of 100 mm and 50 mm focal lengths. The 100 mm eyepiece produces a magnification of 240 and a true field of view of 11 arc-minutes, and the 50 mm has a magnification of 480 and a true field of view of 6 arc-minutes. A 2-inch diameter eyepiece adapter is available for those who wish to bring their own eyepieces.

The best objects for viewing are the moon, planets, globular clusters, planetary nebulae, and colorful double stars. Galaxies are generally disappointing except under ideal conditions because they are usually larger than the telescope field of view and have a low surface brightness. A list of good objects to view through the 60-inch telescope will be provided, but visitors are welcome to bring a list of their own. The Telescope Operator and Session Director can assist in object selection. The telescope cannot be pointed lower than  $30^\circ$  above the horizon, or beyond  $+75^\circ$  or  $-26^\circ$  declination.



*This engineering drawing of the 60-inch telescope in its dome was made by the Union Iron Works, Co. of San Francisco. The drawing is dated 26 Oct 1906.*