

TECHNICAL REPORT NO. 379

Schematics for the 60-foot/150-foot tower auto-guider at Mount Wilson Observatory

Steven J. Hale

The University of Birmingham, Edgbaston, Birmingham B15 2TT

2016 May 30

This technical report series is published by:



High-Resolution Optical-Spectroscopy Group

School of Physics and Astronomy
The University of Birmingham
Edgbaston, Birmingham B15 2TT, United Kingdom
Telephone: +44-121-414-4551

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Abstract

Electrical schematics for the 60-foot/150-foot tower auto-guider at Mount Wilson Observatory.

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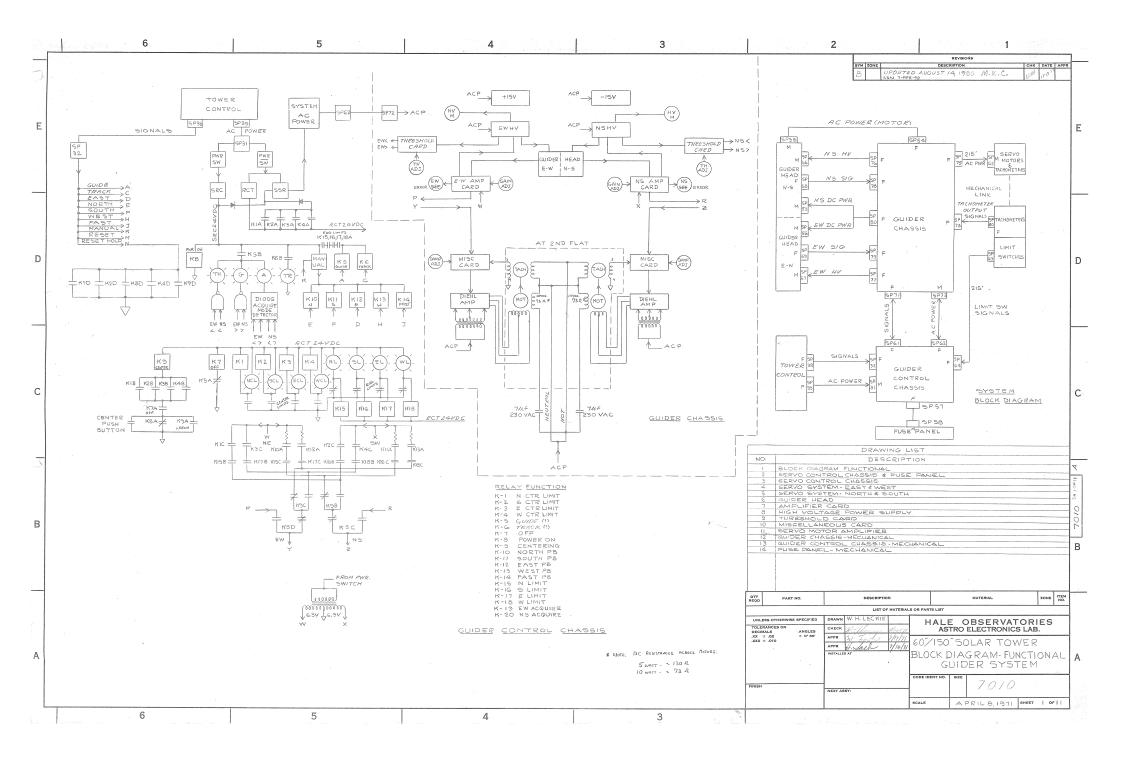
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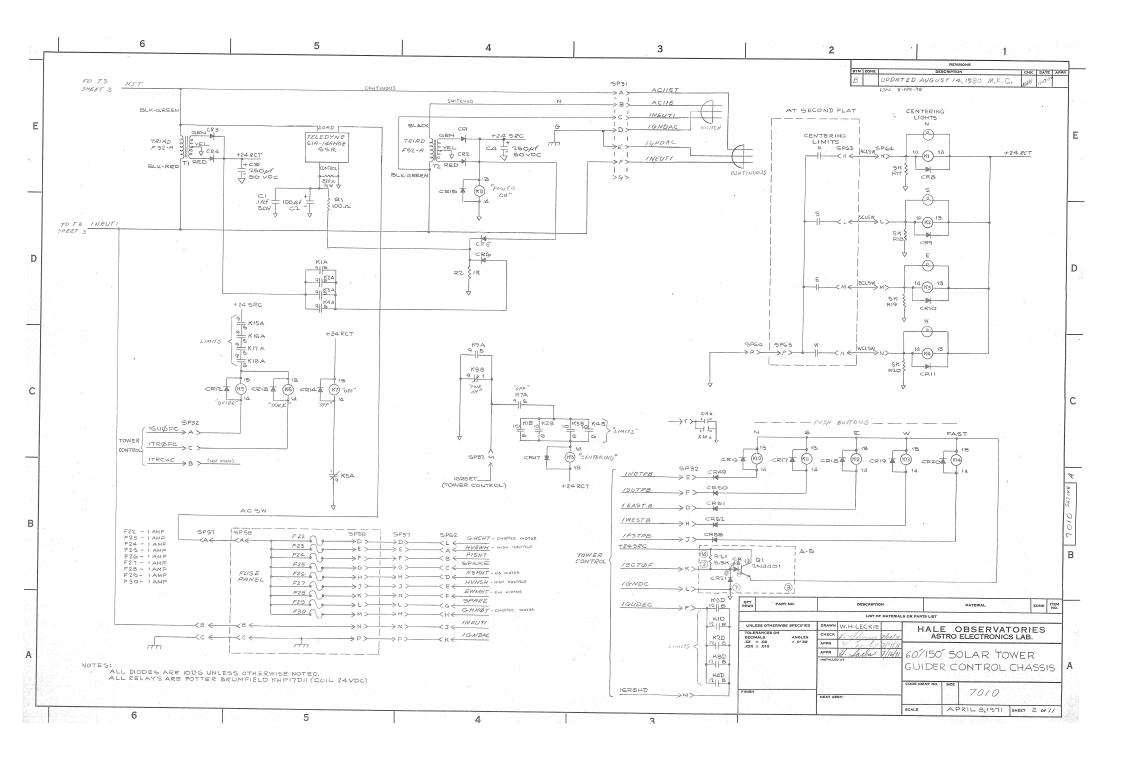
1 Introduction

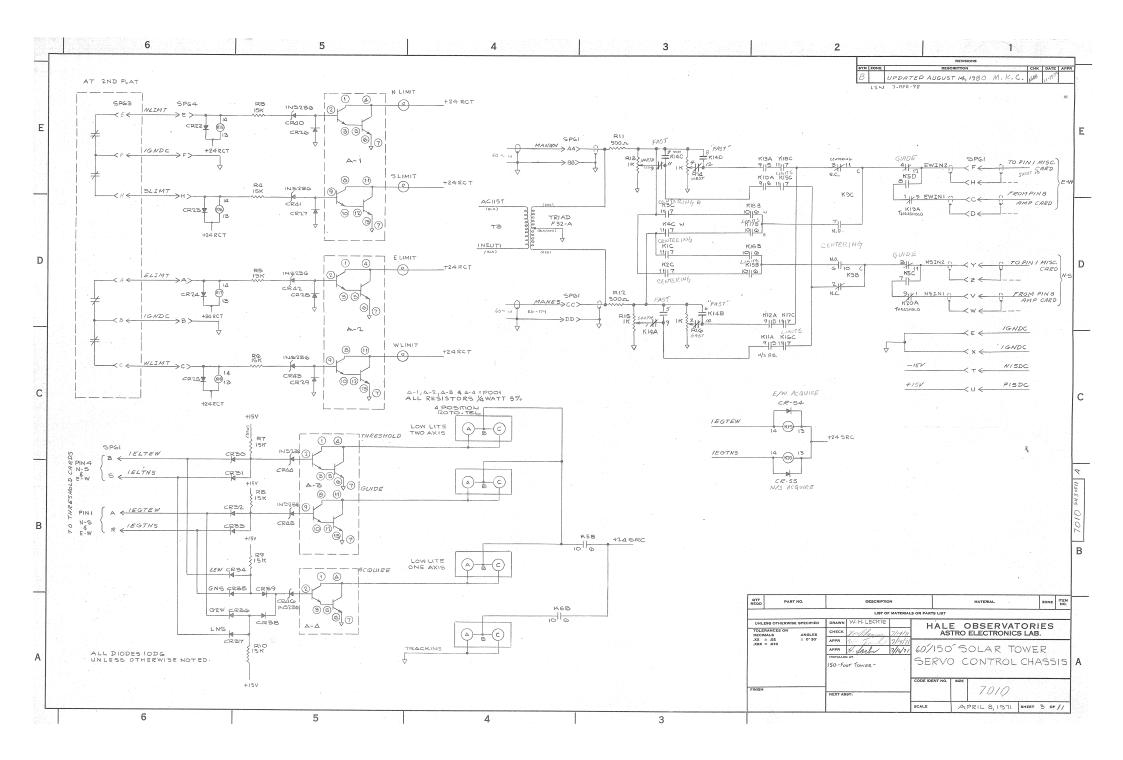
The second-flat auto-guider at the 60-foot tower has been misbehaving. A previous site visit in 2014 April [1] identified some corroded and possibly broken cables from the second-flat motors to the patch-panel below the mirror mount. These were replaced, producing some improvement in performance. The guider module itself was not inspected due to lack of electrical schematics and little knowledge of how it was supposed to operate. Subsequently, a selection of schematics were found and scanned.

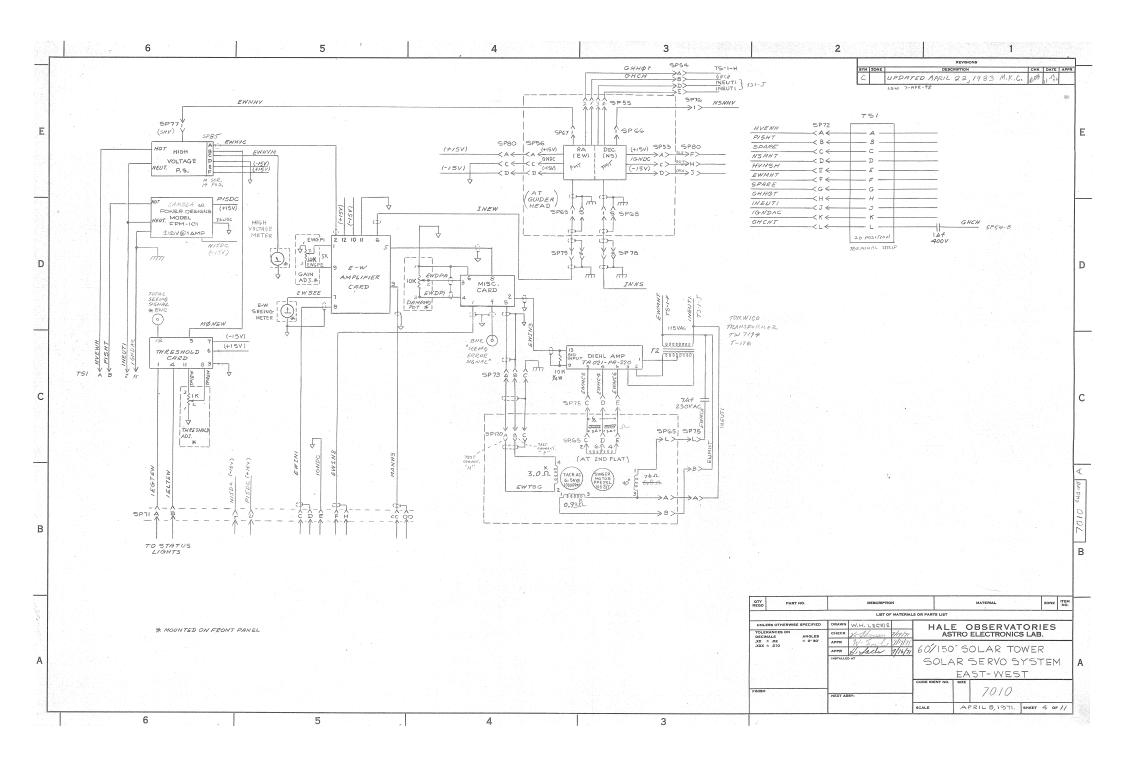
2 Guider Schematics

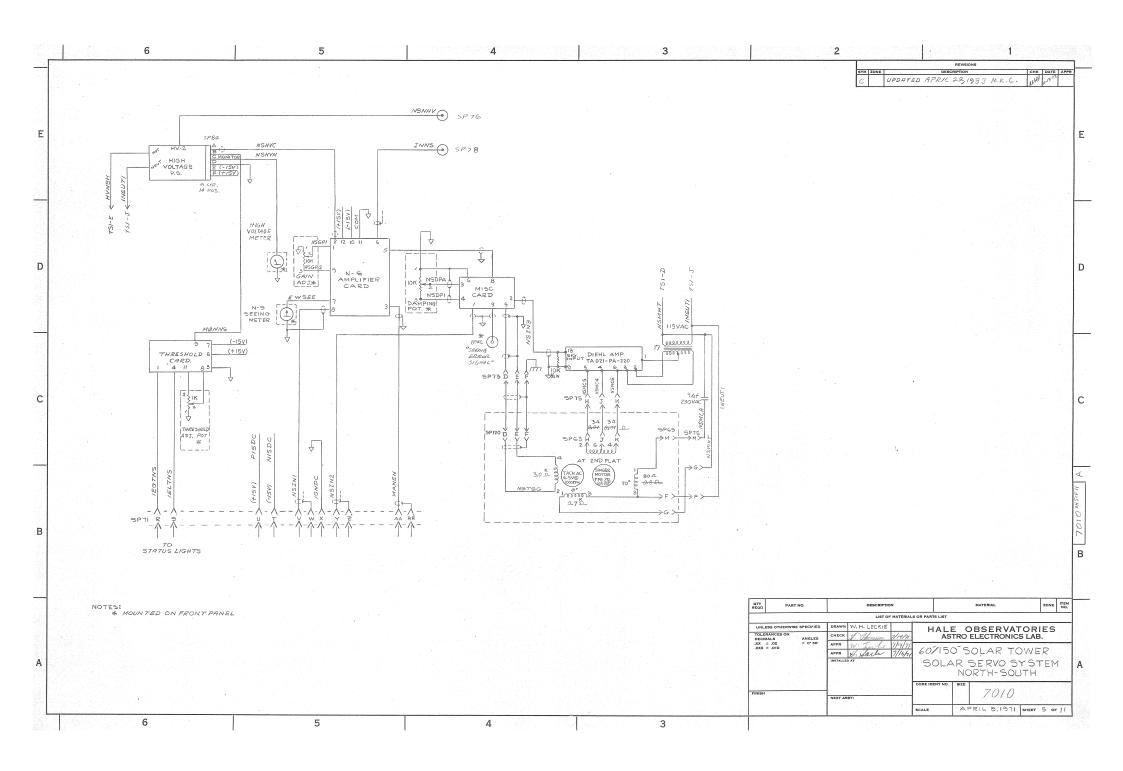
Schematics for the tower auto-guider are presented below.

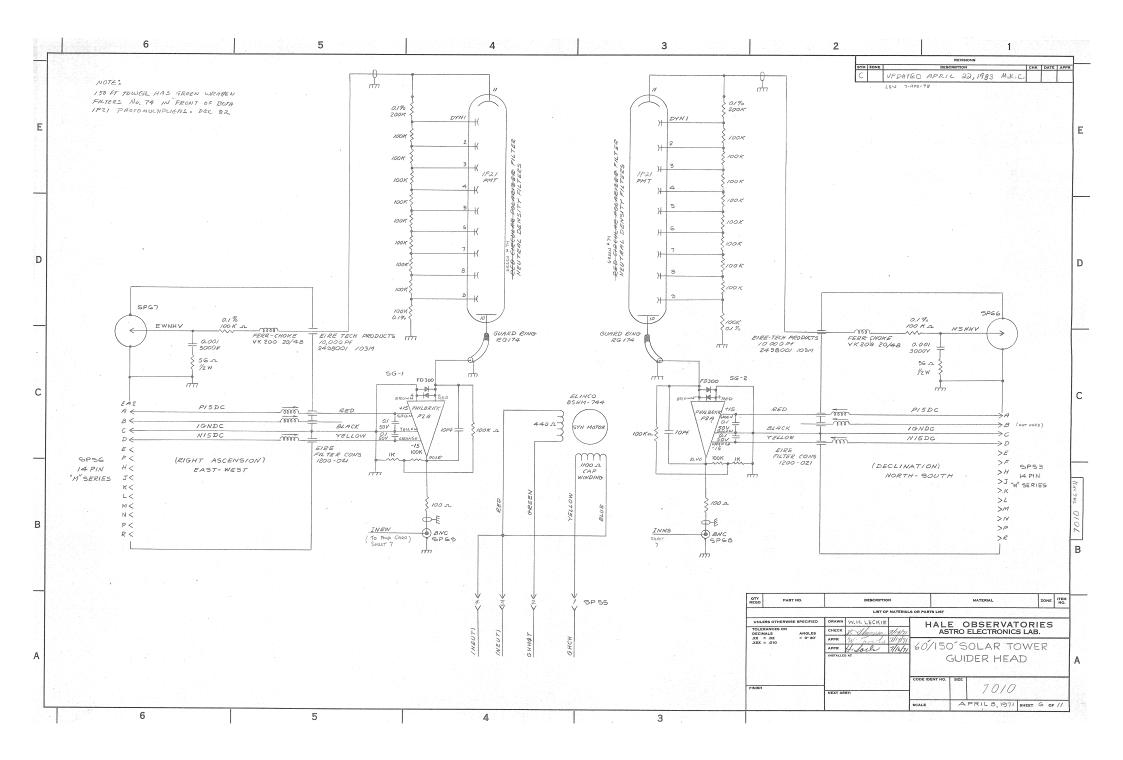


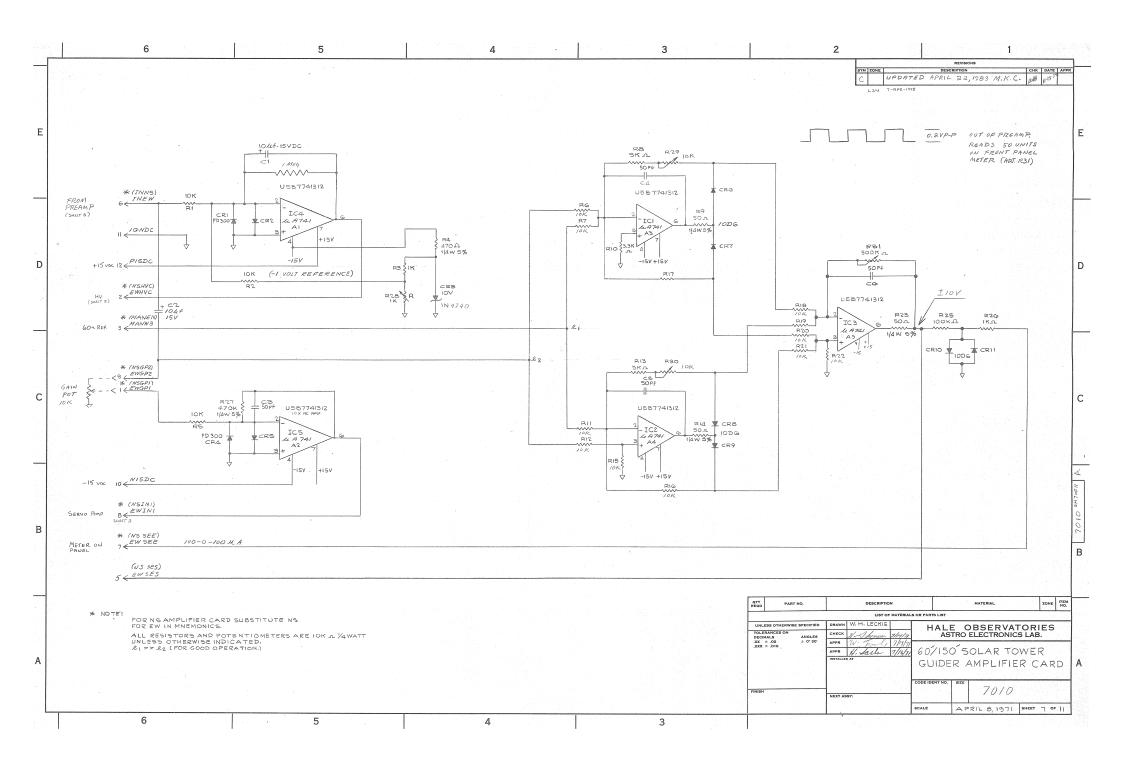


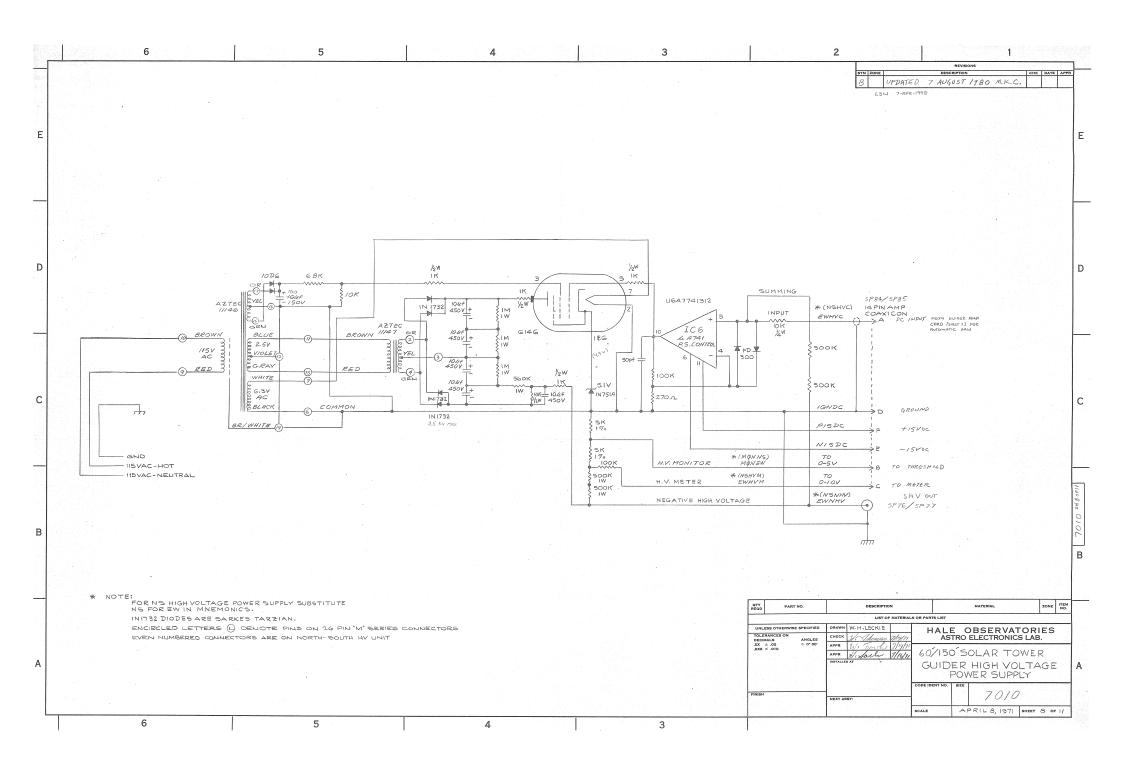


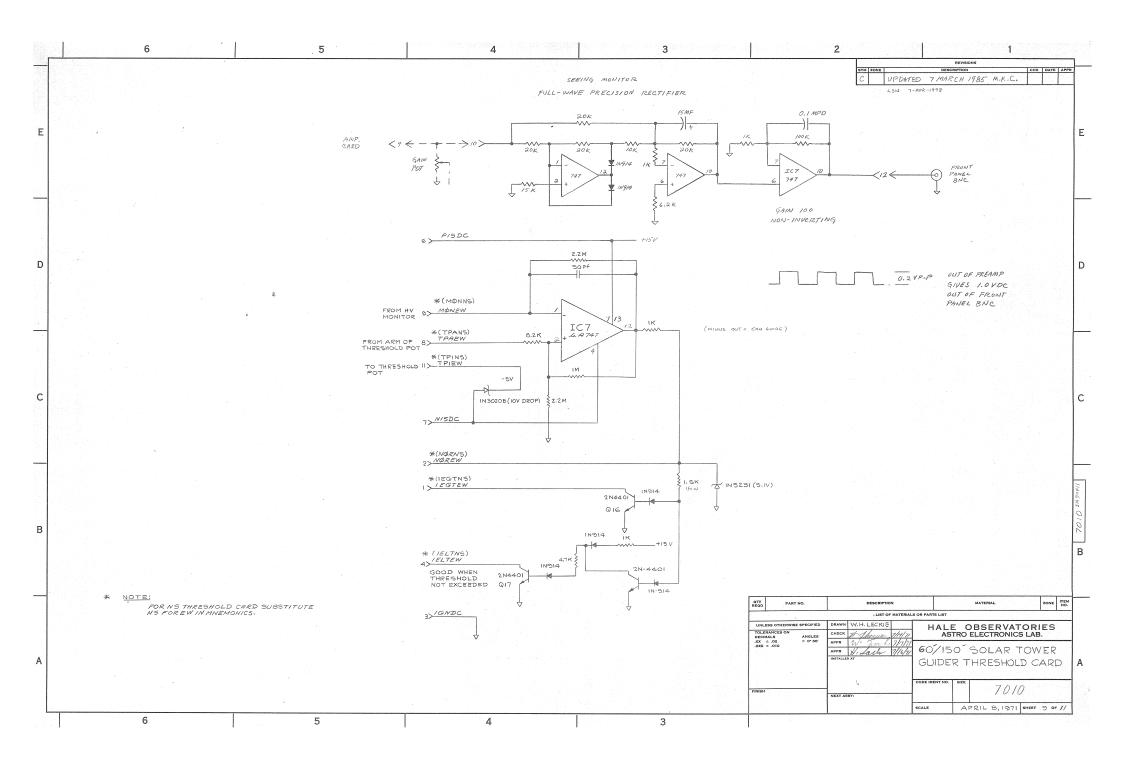


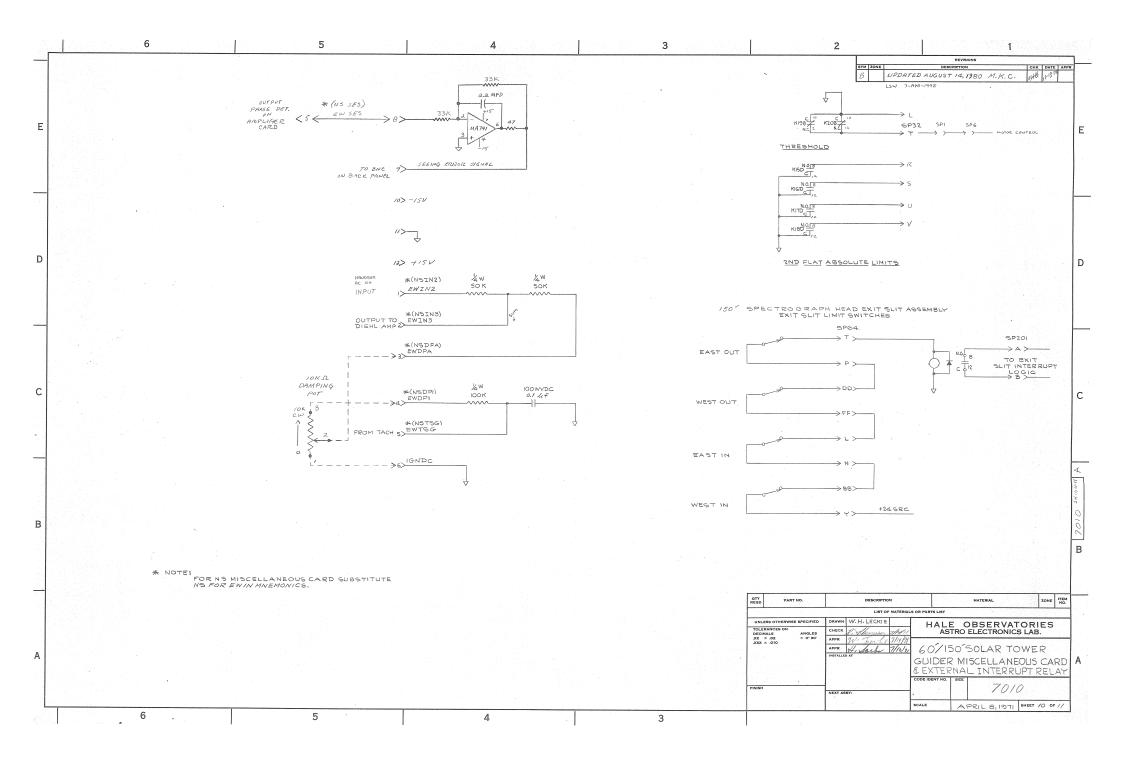


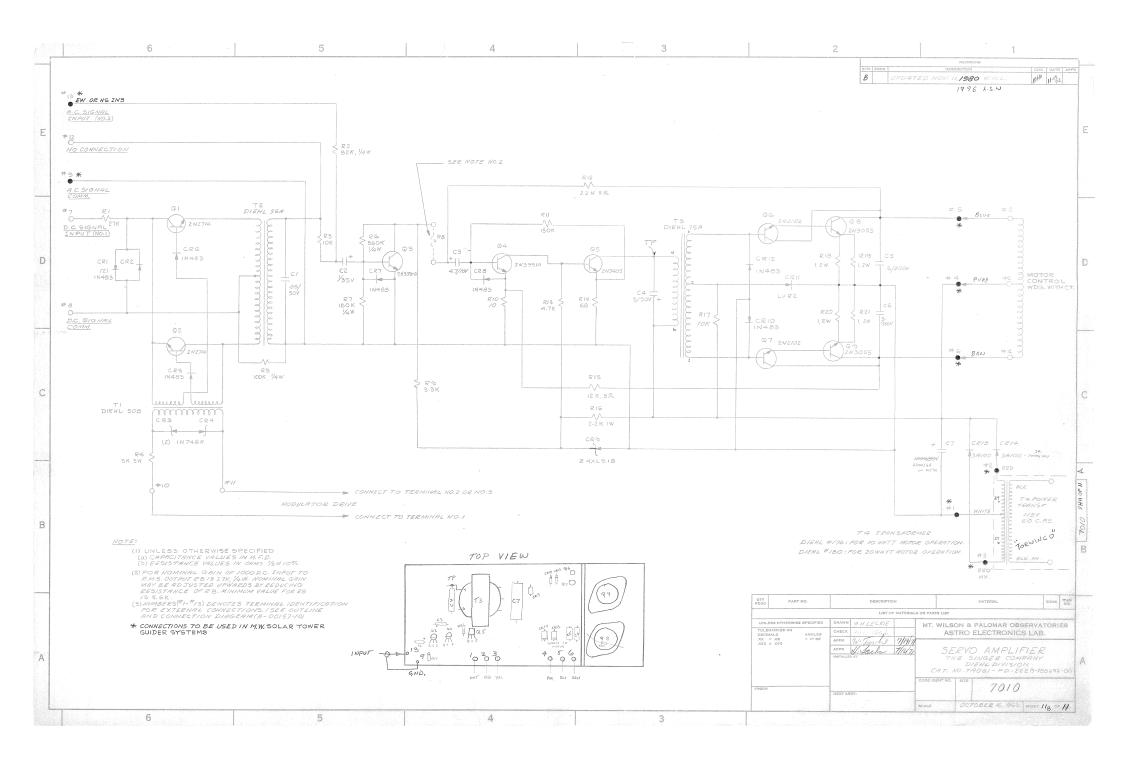


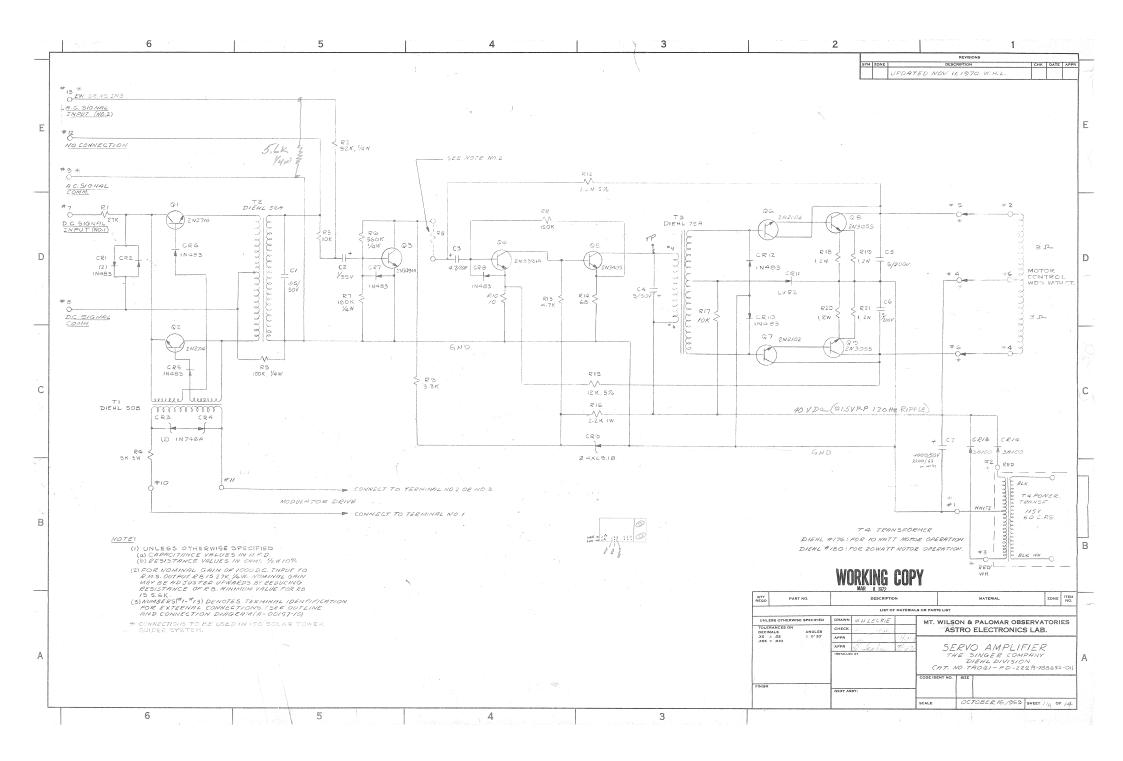












References

[1] HALE, S. J. Autoguider repairs at Mount Wilson in 2014 April. *BiSON Technical Report Series*, Number 365, High-Resolution Optical-Spectroscopy Group, University of Birmingham, UK, 2014. URL http://epapers.bham.ac.uk/2060/. [page 1]