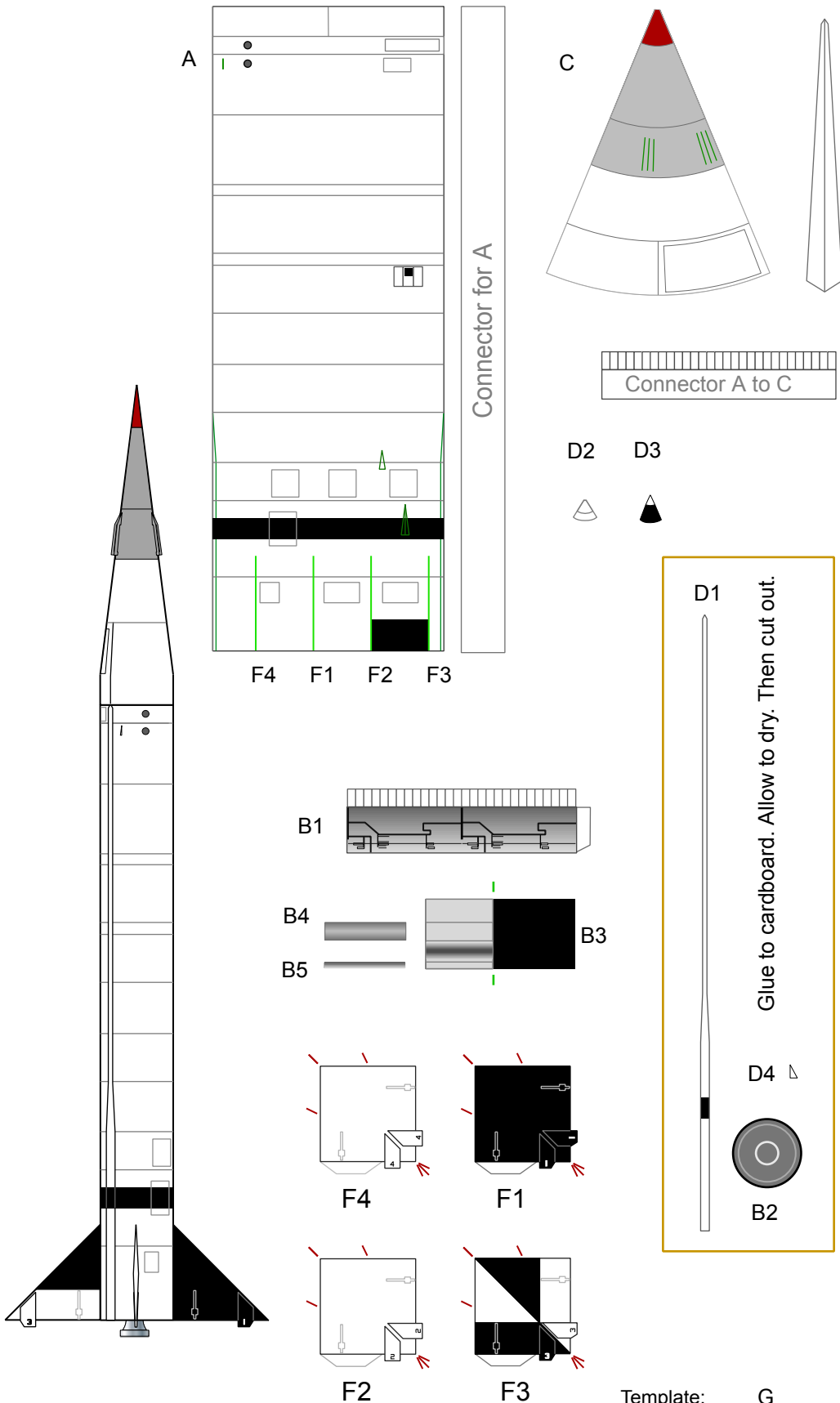


1 IN |-----| A4 Paper
 1 CM |-----| Printer Scale

1/96th Scale



Template: G

Cross-section of assembled fins.

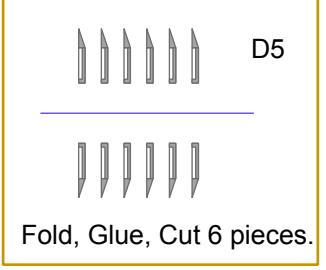
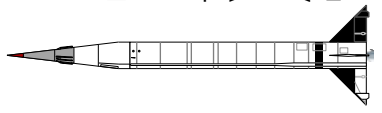
MARTIN VANGUARD TV-0

Launched 8 December 1956

Martin Viking No. 13, a liquid-propellant single-stage rocket, was redesignated TV-0 and fired as the first Vanguard Test Vehicle.

Primary goal was to evaluate the performance of the internal telemetry system, to evaluate the launching complex, and to become familiar with the operations, range safety and tracking systems of the AFMTC rocket range. Secondary objective was testing of the Vanguard Minitrack transmitter and evaluation of the coasting flight attitude control system.

All objectives were met except evaluation of coasting-flight attitude control. The vehicle reached an altitude of 126.5 statute miles and range of 97.6 statute miles.



 **Reaction Motors XLR10-RM-2**
 Thrust: 93 kN (21000 lb) for 103 sec