



| VERIFICATION                 | RESULT              | BUDGET            | V |
|------------------------------|---------------------|-------------------|---|
| Tube deflection, 1.5 mm wall | 0.0015 mm           | 1.41 mm           | P |
| Focuser aperture penalty     | 1.74×               | quantified        | P |
| Spider hub sag               | 0.332 $\mu\text{m}$ | 141 $\mu\text{m}$ | P |
| Spider vane buckling         | FoS 5.8             | > 3               | P |
| Secondary assembly f1        | 865 Hz              | > 30 Hz           | P |
| Primary glass, 3-point       | 0.84 nm rms         | 27.5 nm           | P |
| Mirror flop, zenith→horizon  | 0.142 arcsec        | 0.485             | P |

| REV | DESCRIPTION                 | DATE       |
|-----|-----------------------------|------------|
| A   | First issue for manufacture | 2026-08-16 |

|                                                                                                                                                                                        |                        |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------|
| DRAWING NUMBER<br><b>FM-AST-002</b>                                                                                                                                                    | REVISION<br><b>A</b>   | SHEET<br><b>2 OF 6</b>      |
| SCALE<br><b>1:5</b>                                                                                                                                                                    | MATERIAL<br><b>N/A</b> | MASS<br><b>—</b>            |
| PROJECTION<br><b>FIRST ANGLE (ISO 128)</b>                                                                                                                                             | FINISH<br><b>N/A</b>   | UNITS<br><b>MILLIMETRES</b> |
| GENERAL TOL ISO 2768-mK UNLESS STATED · DO NOT SCALE<br>DRAWN NaXief's Claude CHECKED SELF-CHECK + VISUAL JUDGE, SEE SHEET 6 QA GATES<br>DATE 2026-08-16 STATUS ISSUED FOR MANUFACTURE |                        |                             |

