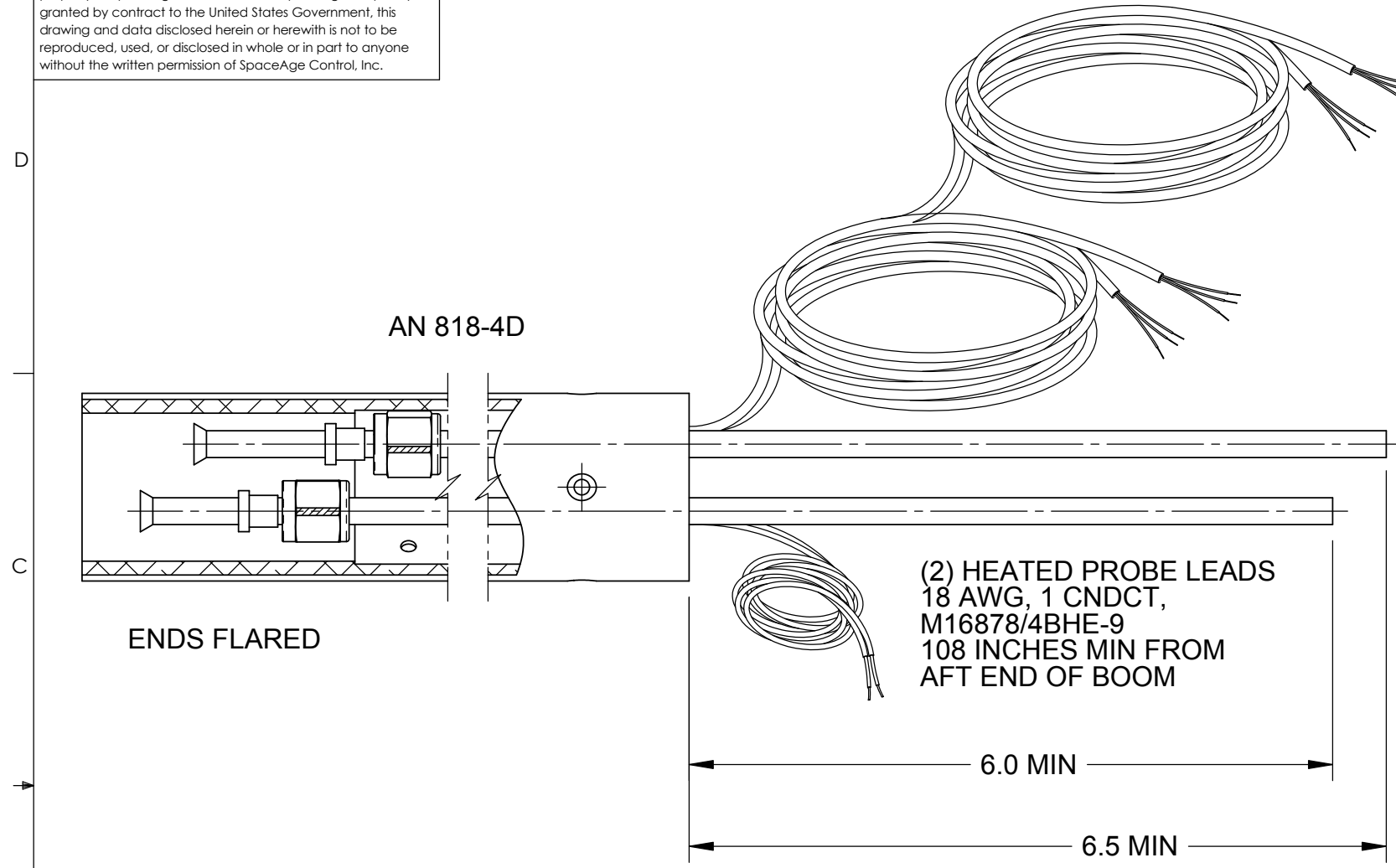


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| REVISIONS | | | |
|-----------|-------------|------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| | | | |

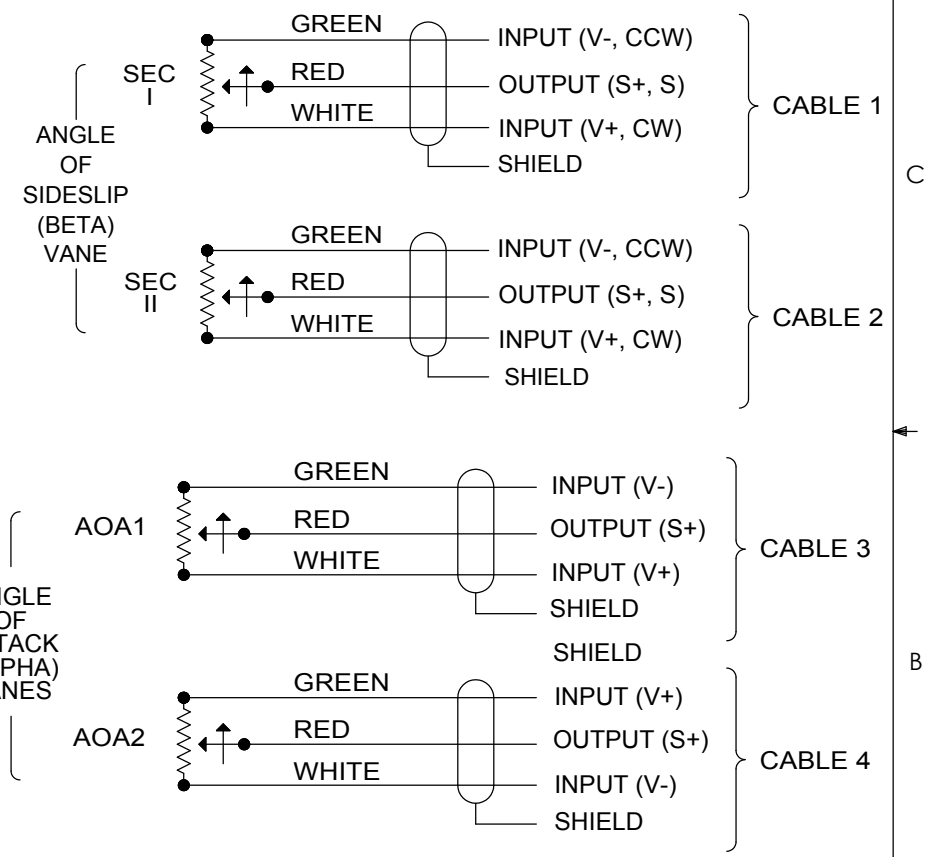
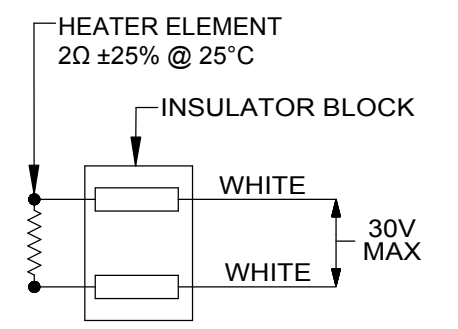


(4) VANE POTENTIOMETER LEADS
22 AWG, 3 CNDCT, FEPT & FLDN
108 INCHES MIN FROM
AFT END OF BOOM

STATIC PRESSURE TUBE
.250 OD, 5052 AL

TOTAL PRESSURE TUBE
.250 OD, 5052 AL

(2) HEATED PROBE LEADS
18 AWG, 1 CNDCT,
M16878/4BHE-9
108 INCHES MIN FROM
AFT END OF BOOM



ELECTRICAL SCHEMATIC

- NOTES**
- VANE POTENTIOMETER SPECIFICATIONS: (MEASURE ANGLE OF ATTACK (AOA (ALPHA)) AND ANGLE OF SIDESLIP (AOS (BETA)))
 - TYPE: CONDUCTIVE PLASTIC
 - RESISTANCE: 2K OHMS
 - RESISTANCE TOLERANCE: ±10%
 - LINEARITY: ±.15% MAX. IN MIDDLE 40°; ±1.00% MAX. AT THE ENDS
 - RESOLUTION: INFINITE SIGNAL OUTPUT
 - ELECTRICAL TRAVEL: 103° NOMINAL
 - POWER RATING (70° C): .5 WATT
 - MECHANICAL TRAVEL: 360° CONTINUOUS
 - MECHANICAL LIFE: 20+ MILLION SHAFT REVOLUTIONS
 - OPERATING TEMPERATURE RANGE: -65° TO +125° C
 - OTHER SPECIFICATIONS: PER MIL-R-39023
 - HEATED PROBE SPECIFICATIONS (TRANSMITS TOTAL AND STATIC PRESSURE)
 - INPUT POWER: 28 VDC NOMINAL
 - 145 WATTS, SELF-REGULATING
 - SPECIFICATIONS: PER MIL-T-5420B, SAE AS 393

| | | | |
|-------|-----------|-----------|--------------|
| SIZE | CAGE CODE | DWG. NO. | REV. |
| B | 34851 | 100700-08 | A |
| SCALE | NTS | CAD FILE: | SHEET 2 OF 2 |