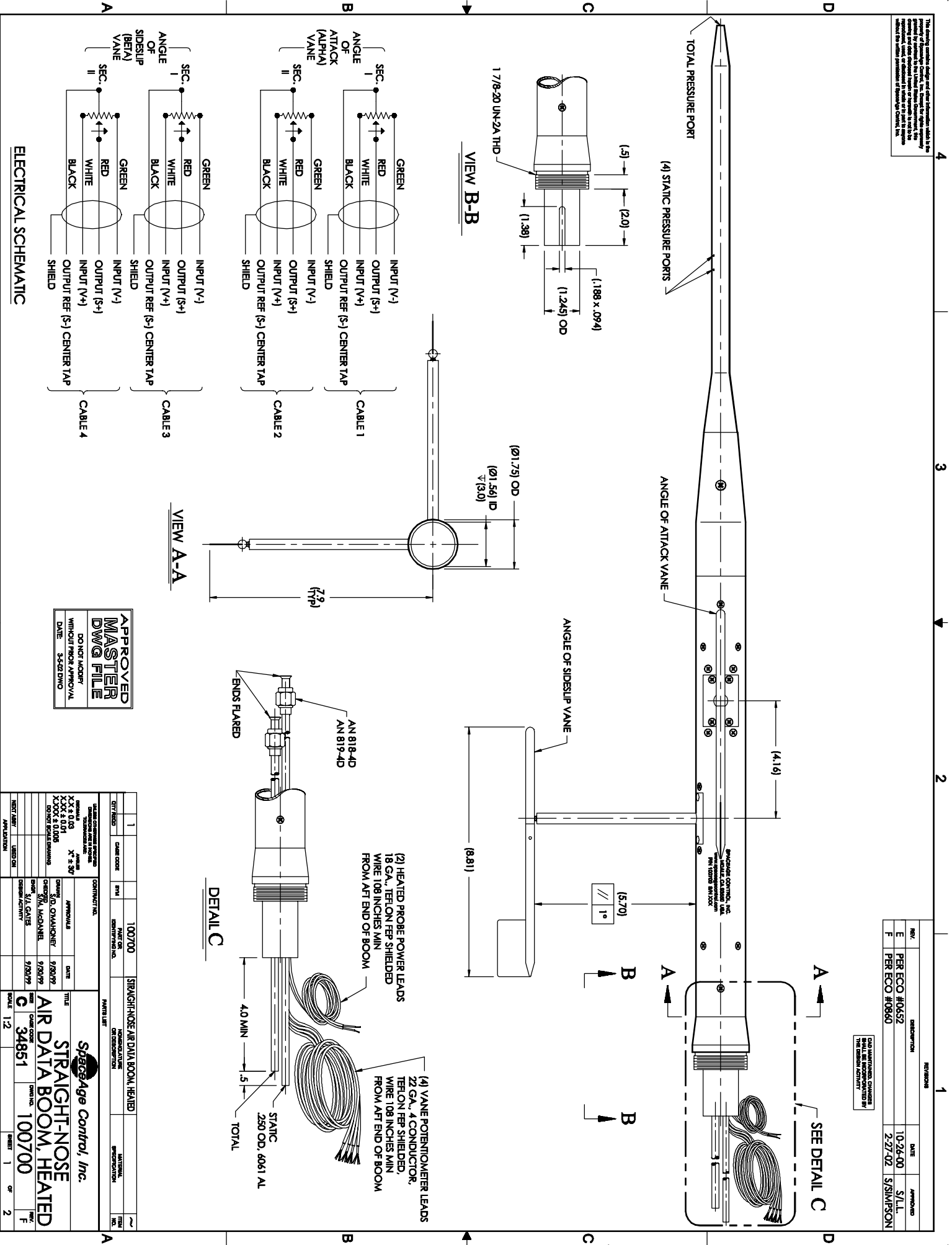


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CALL TYPING CHANGES THE DRAWING ACTIVITY

REV.	DESCRIPTION	DATE	APPROVED
E	PER ECO #0652	10-26-00	S/L/L
F	PER ECO #0860	2-27-02	S/SIMPSON



APPROVED
MASTER
DWG FILE
DO NOT MODIFY
WITHOUT PRIOR APPROVAL
DATE: 3-5-02 DMD

REV.	DESCRIPTION	DATE	APPROVED
1	100700	STRAIGHT-NOSE AIR DATA ROOM HEATED	

REV.	DESCRIPTION	DATE	APPROVED
1	100700	STRAIGHT-NOSE AIR DATA ROOM HEATED	

REV.	DESCRIPTION	DATE	APPROVED
1	100700	STRAIGHT-NOSE AIR DATA ROOM HEATED	

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1	100700	STRAIGHT-NOSE AIR DATA ROOM HEATED	

SpagAge Control, Inc.
STRAIGHT-NOSE
AIR DATA ROOM, HEATED
C 34851
100700

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REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
	CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY		


NOTES

1. VANE POTENTIOMETER SPECIFICATIONS (MEASURE ANGLE OF ATTACK (AOA (ALPHA)) AND ANGLE OF SIDESLIP (AOS (BETA)))
 - 1.1. TYPE: DUAL CONDUCTIVE PLASTIC
 - 1.2. RESISTANCE: 5K OHMS
 - 1.3. RESISTANCE TOLERANCE: ±10%
 - 1.4. LINEARITY: ±.5%
 - 1.5. RESOLUTION: INFINITE SIGNAL OUTPUT
 - 1.6. ELECTRICAL TRAVEL: ±170° (±5°) FROM CENTER TAP
 - 1.7. POWER RATING (70° C): 1.0 WATT
 - 1.8. MECHANICAL TRAVEL: 360° CONTINUOUS
 - 1.9. MECHANICAL LIFE: 20+ MILLION SHAFT REVOLUTIONS
 - 1.10. OPERATING TEMPERATURE RANGE: -55° TO +125° C
 - 1.11. OTHER SPECIFICATIONS: PER MIL-R-39023
2. HEATED PROBE SPECIFICATIONS (MEASURES TOTAL AND STATIC PRESSURE)
 - 2.1. INPUT POWER: 28 VDC OR 28 VOLTS, 400 CYCLE AC
 - 2.2. OPERATING TEMPERATURE RANGE: -65° TO +540° C
 - 2.3. MACH NUMBER: 0 TO 3
 - 2.4. OTHER SPECIFICATIONS: PER MIL-P-25632B
3. MAINTENANCE REQUIREMENTS
 - 3.1. PROTECTIVE ACCESSORIES SUCH AS TOTAL HEAD PROBE COVER AND VANE COVER SHOULD BE INSTALLED WHENEVER THE AIR DATA BOOM IS NOT IN USE. THESE ACCESSORIES WILL PROTECT THE PRODUCT FROM DAMAGE AS WELL AS KEEP IT CLEAN.
 - 3.2. PRESSURE OR LEAK TESTING OF THE PRESSURE SYSTEM SHOULD BE CONDUCTED ANNUALLY.
 - 3.3. BEFORE EACH FLIGHT, CHECK THE NOSE TIP FOR DAMAGE THAT MAY CAUSE MEASUREMENT ERRORS.
 - 3.4. BEFORE EACH FLIGHT, CHECK VANES FOR DAMAGE SUCH AS SCRAPED FIN EDGES, BENT FINS OR VANES, AND NOISY VANE BUSHINGS.
 - 3.5. BEFORE EACH FLIGHT, VERIFY ALL SCREWS ARE TIGHT AND THAT THE AIRCRAFT MOUNTING POINT IS SECURE.
 - 3.6. VERIFY CALIBRATION OF VANE ASSEMBLIES ANNUALLY.

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DATE: 3-5-02 DWO

QTY REQD	CAGE CODE	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.
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PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES X.X ± 0.03 X° ± 30' X.XX ± 0.01 X.XXX ± 0.005 DO NOT SCALE DRAWING	CONTRACT NO.					
	APPROVALS		DATE	TITLE		
	DRAWN S/D. O'MAHONEY		9/30/99	STRAIGHT-NOSE AIR DATA BOOM, HEATED		
	CHECKED S/M. McDANIEL		9/30/99			
ENGR S/J. GATES		9/30/99	SIZE	CAGE CODE	DWG NO.	REV.
DESIGN ACTIVITY			A	34851	100700	F
NEXT ASSY	USED ON		SCALE	SHEET		OF
APPLICATION			N/A	2		2