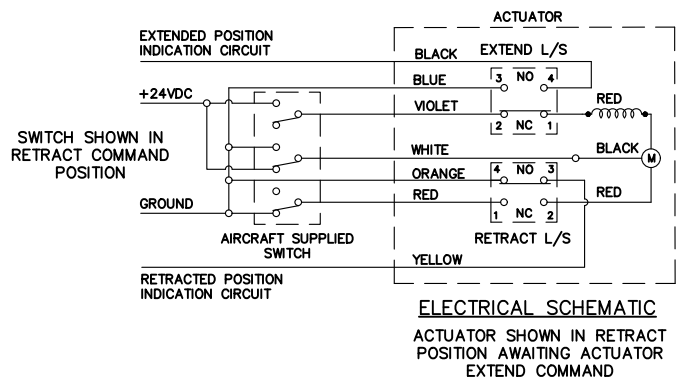


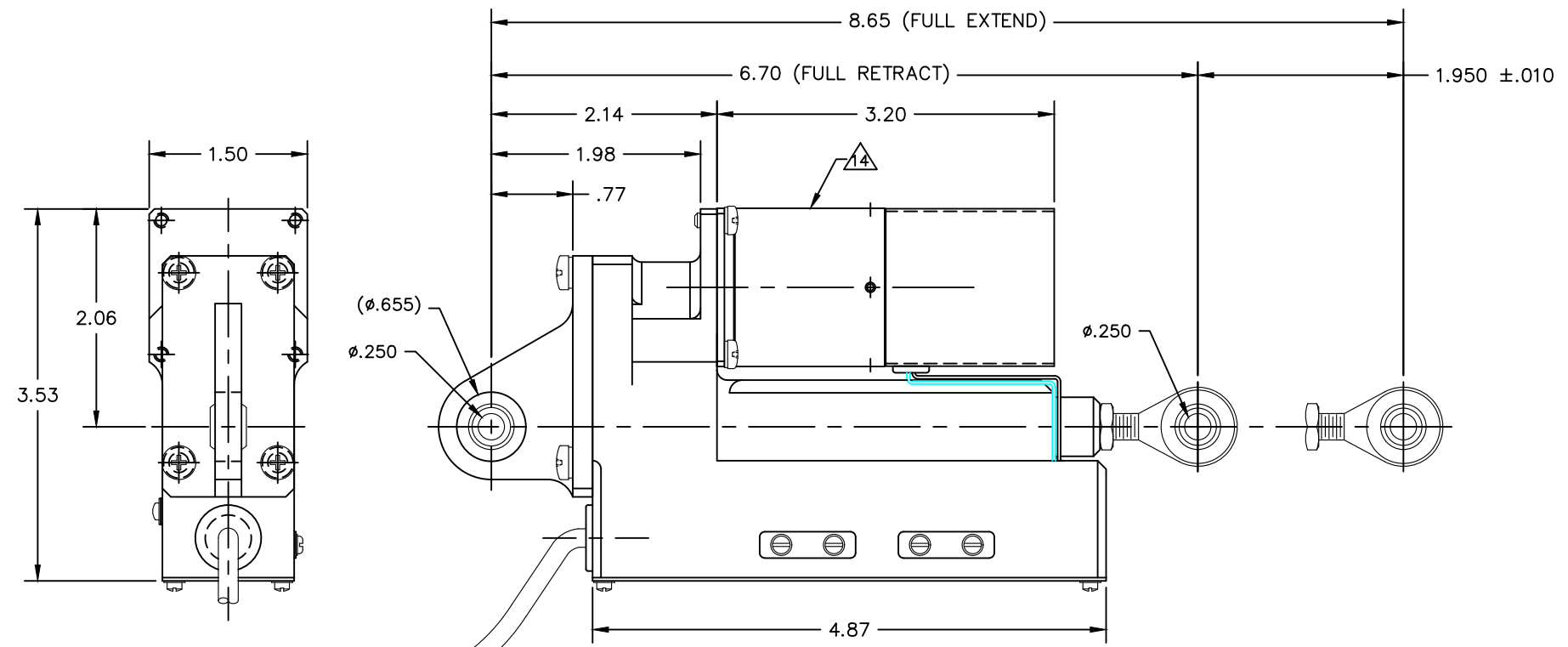
NOTICE
 This drawing is a part of the proprietary article therein disclosed, and all design, manufacturing, reproduction, use, patent rights, and sales rights regarding the same are expressly reserved by Aero Space Controls Corporation, Wichita, Kansas. It is submitted under a confidential relationship for a specific purpose and shall not be disclosed to any unauthorized person or incorporated in any other projects.

REVISIONS			
C.O. NO.	REV.	REVISION DESCRIPTION	DATE

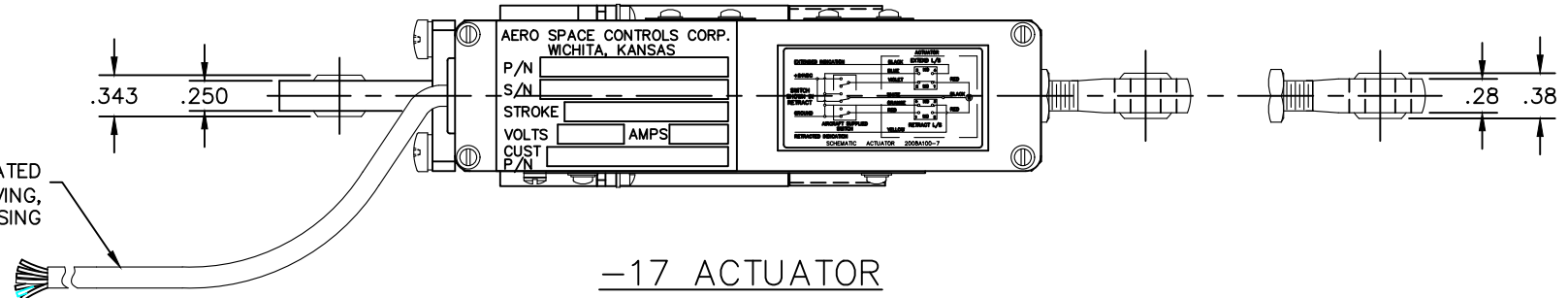


WIRE LEGEND:
 VIOLET: EXTEND L/S/MOTOR +24VDC ACTUATOR EXTEND COMMAND
 WHITE: MOTOR SUPPLY GROUND, ACTUATOR EXTEND COMMAND +24VDC, ACTUATOR RETRACT COMMAND
 RED: RETRACT L/S/MOTOR GROUND ACTUATOR RETRACT COMMAND
 ORANGE: GROUND FOR RETRACT POSITION INDICATOR
 BLACK: FULLY EXTENDED POSITION INDICATOR
 BLUE: GROUND FOR EXTEND POSITION INDICATOR
 YELLOW: FULLY RETRACT POSITION INDICATOR

LOAD	STROKE	TIME
LBS.	INCH	SECONDS
250	1.95	4-7
500	1.95	5-8



14 ±.5" OF 20 GA. STRANDED TEFLON INSULATED WIRE WITH 12 ±.5" OF SIZE #5 GLASS SLEEVING, ALL MEASURED FROM THE HOUSING



-17 ACTUATOR

- NOTES CONTINUED:
- 7. TO RETRACT: +24VDC (WHITE)
GROUND (RED)
 - TO EXTEND: +24VDC (VIOLET)
GROUND (WHITE)
 - 8. NORMAL OPERATING LOAD: 200 LB.
 - 9. MAXIMUM OPERATING LOAD: 500 LB.
 - 10. MAXIMUM AMP DRAW: 8.0
 - 11. WEIGHT: 1.8 LBS. MAXIMUM
 - 12. OPERATING TEMPERATURE RANGE: -67°F TO +160°F (-55°C TO +71°C)
 - 13. NON OPERATING TEMPERATURE IS 210°F MAX
 - ▲ THIS ACTUATOR INCORPORATES A PM97-3 MOTOR ASSY

-17 ACTUATOR		QTY.	ITEM	SIZE	PART NUMBER	DESCRIPTION	MATERIAL	MAT'L. SPEC.	FINISH	FINISH SPEC.		
LIST OF MATERIALS												
DIMENSIONAL SYMBOLS PER ASME Y14.5		UNLESS OTHERWISE SPECIFIED		SIGNATURES		DATE		AERO SPACE CONTROLS CORPORATION WICHITA, KANSAS				
▽ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY // PARALLELISM ◎ CONCENTRICITY ⊕ TRUE POSITION ○ CIRCULARITY (ROUNDNESS) ≡ SYMMETRY Ⓜ (MMC) MAXIMUM MATERIAL CONDITION Ⓢ (RFS) REGARDLESS OF FEATURE SIZE		1. DIMENSIONS ARE IN INCHES - TOLERANCES ON - FRACTIONS ± 1/16 ANGLES ±0° 30' XX DEC ±.030 DRILL HOLES AND 10387 XXX DEC ±.010		DR. B. MOODY		09-02-20					ACTUATOR	
		2. SURFACE ROUGHNESS PER ASME-B46.1		CHK.				2008A100-17				
		3. REMOVE BURRS & BREAK SHARP EDGES .010 MAX.		ENGR.		APPD-DON SIMON					09-02-20	
		4. INTERNAL RADII .005 TO .015		NEXT ASSY:		6. ALL DIMENSIONS BEFORE PLATING		DO NOT SCALE DRAWING		CODE IDENT NO. SIZE DWG NO. 2008A100-17		
		5. STRAIGHT SCREW MIL-S-7742 TAPERED PIPE MIL-P-7105										