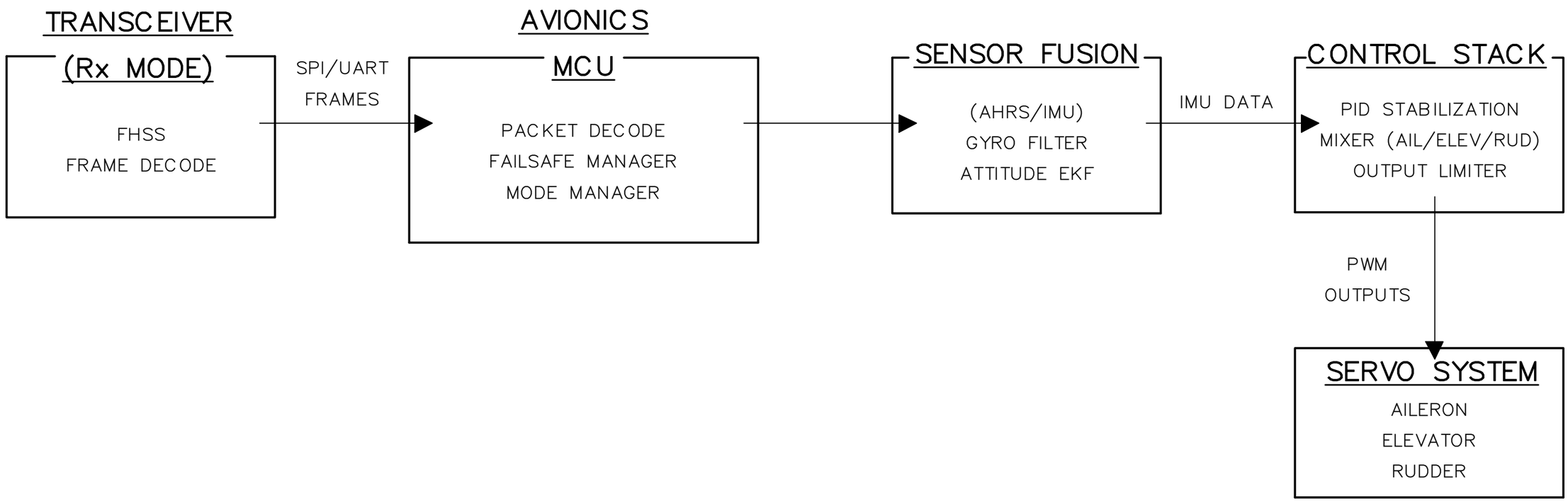
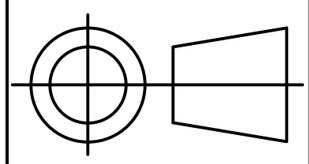
DOCUMENT REVISION HISTORY			
REV.	DATE	DESCRIPTION	AUTHORIZATION
0	11/21/25	DOCUMENT CREATION	CHRIS DILLOW



NOTES	
N1	Avionics MCU firmware operates at 200–500 Hz loop rate.
N2	EKF and PID shown functionally, not electrically.
N3	Servo power rail provided from 5V regulator (see power architecture).
N4	IMU shown as ICM-42688-P via SPI.
N5	
N6	
N7	

TOLERANCE TABLE		
USC	SI	ANGLE
X.X=±1/16"	X=±0.5mm	X=±1.0°
X.XX=±.015"	X.X=±0.1mm	X.X=±0.5°
X.XXX=±.003"	X.XX=±0.05mm	X.XX=±0.1°
X.XXXX=±.001"		
X.XXXXX=±.0005"		

ANGLE OF PROJECTION



DOCUMENT PREPARATION	
ENGINEER	CHRIS DILLOW
DRAFTER	CHRIS DILLOW
CHECKER	
APPROVAL	
PM	N/A

CAD BY CHRIS

AVIONICS ARCHITECTURE

SHEET: D

SIZE: B

PROJECT	ASSEMBLY	PART NUMBER	MATERIAL	MASS	UNIT	SCALE
TROPOCHIEF	DIAGRAMS	N/A	N/A	N/A	N/A	N/A