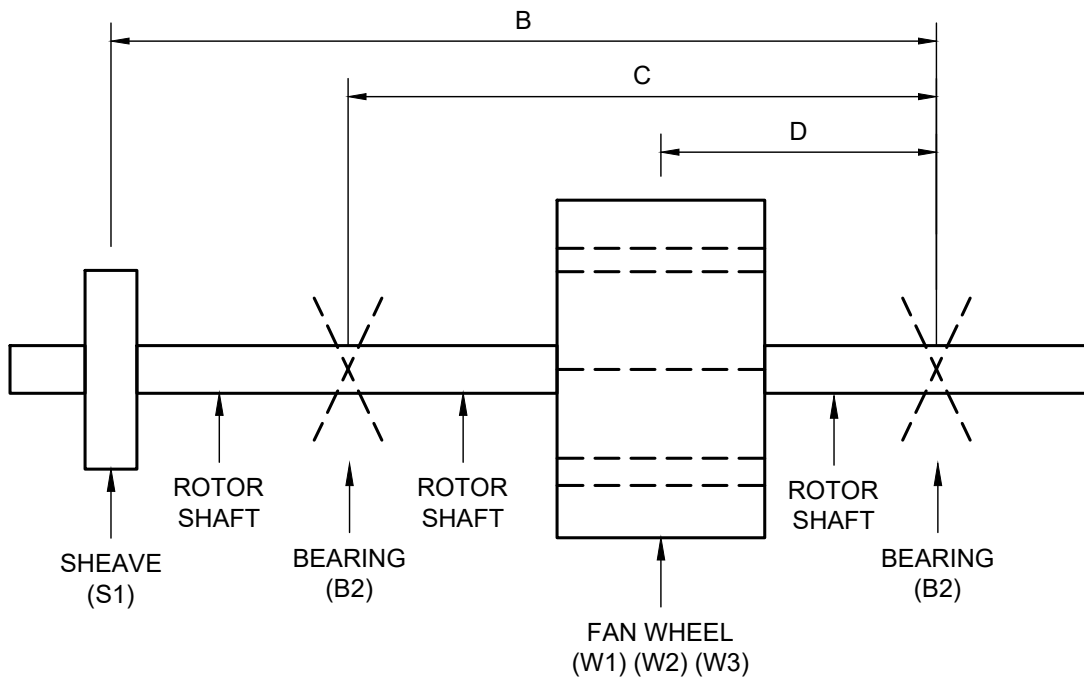


WORK THESE DETAILS WITH WRITTEN CSU MECHANICAL STANDARDS

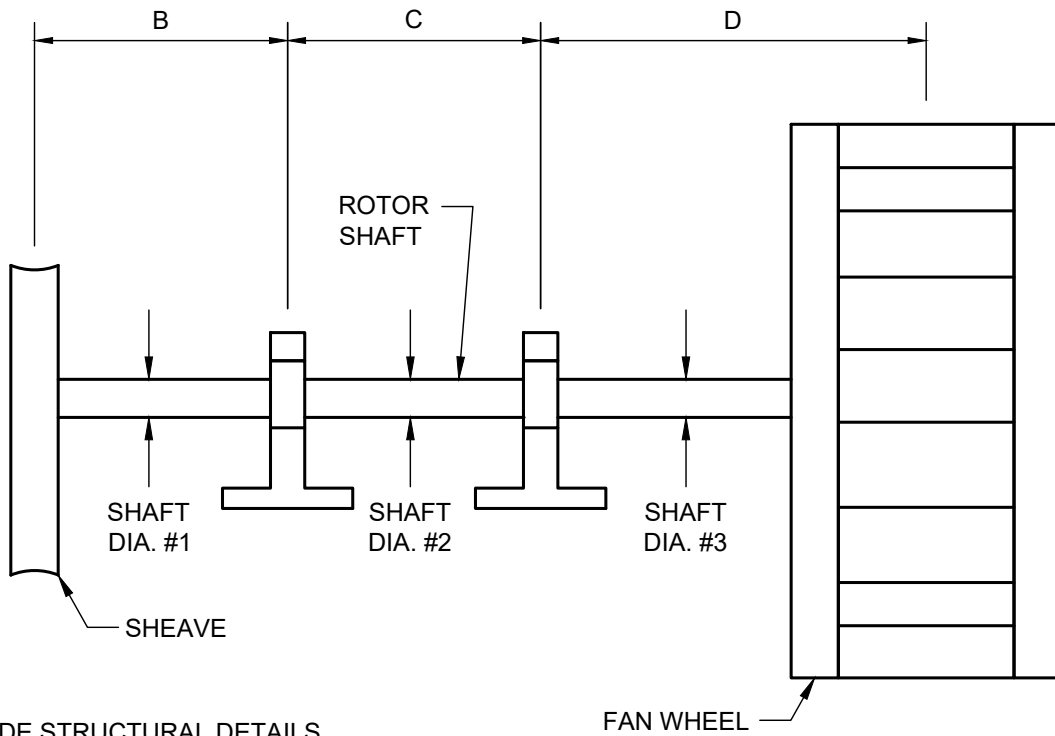
PROVIDE VALUES FOR DESIGNATIONS B,C, AND D

PROVIDE STRUCTURAL DETAILS FOR THE BEARING SUPPORTS



DESIGNATION	DESCRIPTION	PARAMETERS
B1	BEARING DIAMETER	
B2	BEARING DIAMETER	
R1	ROTOR SHAFT DIAMETER	
R2	ROTOR SHAFT DIAMETER	
R3	ROTOR SHAFT DIAMETER	
S1	SHEAVE WEIGHT	
W1	FAN WHEEL WEIGHT	
W2	FAN WHEEL DIAMETER	
W3	FAN RPM'S	
W4	POLAR MOMENT OF INERTIA	

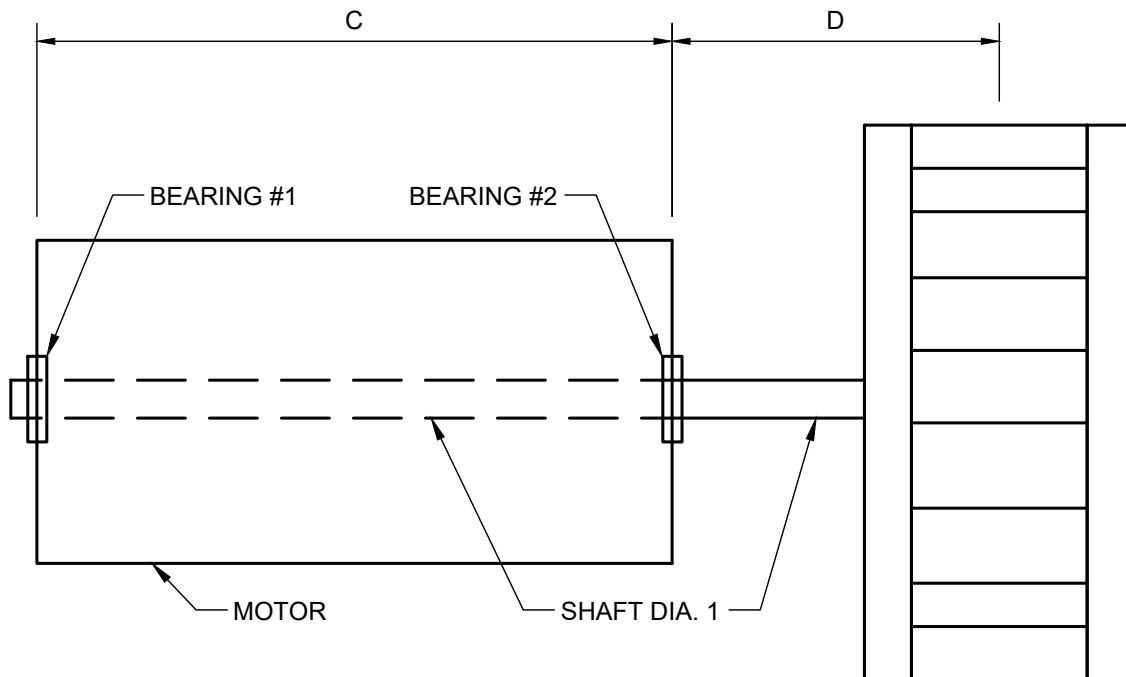
Colorado State University FACILITIES PLANNING, DESIGN AND CONSTRUCTION STANDARDS	DRAWING: M-34A
	MECHANICAL DIV.23
DATE: 03/04/2021	
FAN VIBRATION - FIGURE 'A' FAN WHEEL BETWEEN BEARINGS DETAIL	



PROVIDE STRUCTURAL DETAILS FOR THE BEARING SUPPORTS

SHAFT DIAMETER	PARAMETERS
DIAMETER 1	BEARING DIAMETER 1
DIAMETER 2	BEARING DIAMETER 2
DIAMETER 3	SHEAVE WEIGHT
B	WEIGHT
C	DIAMETER
D	RPMS
	INERTIA

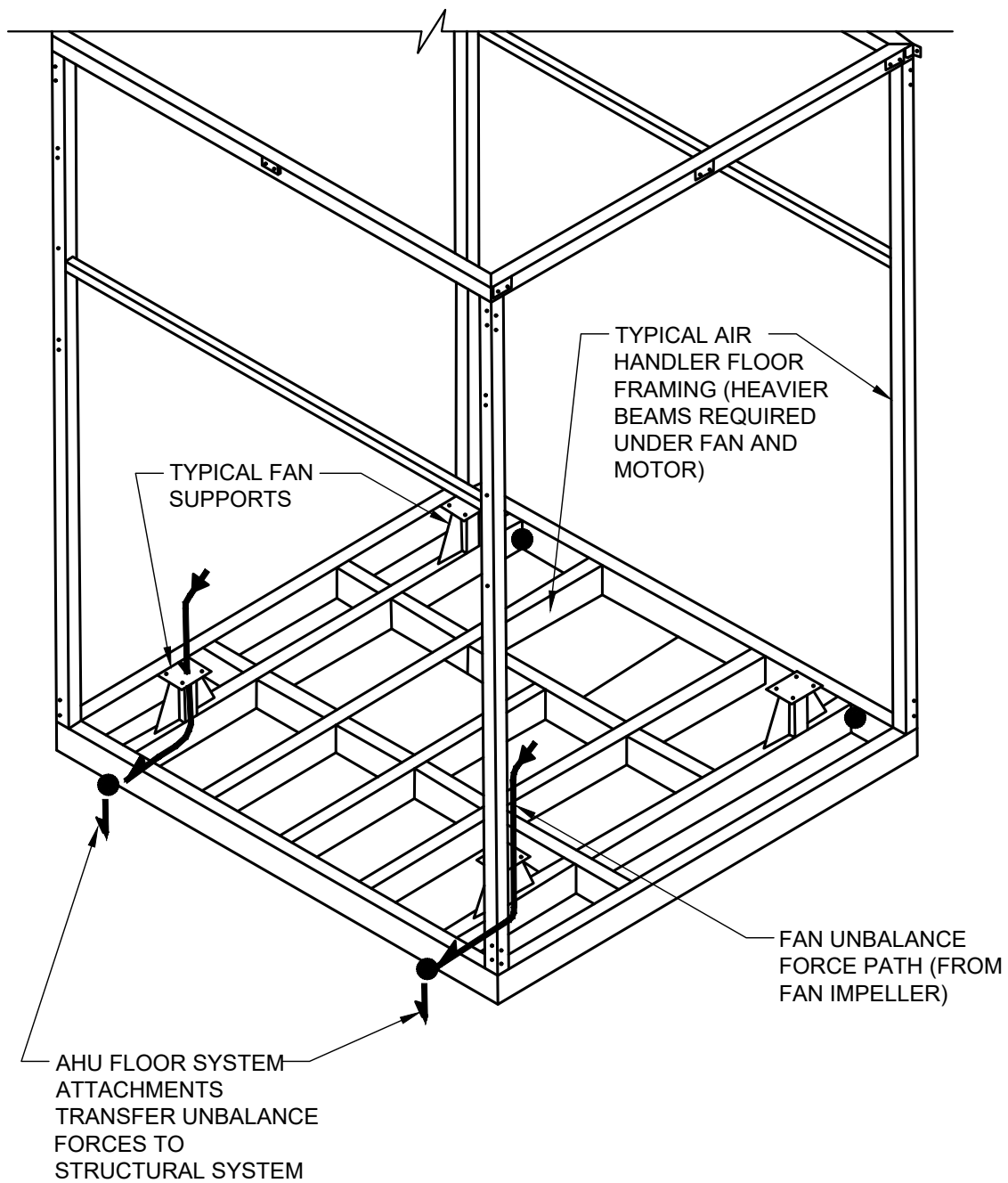
Colorado State University FACILITIES PLANNING, DESIGN AND CONSTRUCTION STANDARDS	DRAWING: M-34B
	MECHANICAL DIV.23
DATE: 03/04/2021	
FAN VIBRATION - FIGURE 'B' FAN WHEEL NOT BETWEEN BEARINGS DETAIL	



SHAFT DIAMETER		PARAMETERS	
DIAMETER 1		BEARING DIAMETER 1	
DIAMETER 2	N/A	BEARING DIAMETER 2	
DIAMETER 3	N/A	SHEAVE WEIGHT	N/A
B	N/A	WEIGHT	
C		DIAMETER	
D		RPMS	
		INERTIA	

DIRECT DRIVE FANS ARE COVERED BY THIS FIGURE; THE DRIVE MOTOR HAS BEARINGS, A SHAFT, AND SUPPORTS THE FAN WHEEL

Colorado State University FACILITIES PLANNING, DESIGN AND CONSTRUCTION STANDARDS	DRAWING: M-34C
	MECHANICAL DIV.23
DATE: 03/04/2021	
FAN VIBRATION - FIGURE 'C' DIRECT DRIVE IN-LINE FAN DETAIL	



Colorado State University FACILITIES PLANNING, DESIGN AND CONSTRUCTION STANDARDS	DRAWING: M-34D
	MECHANICAL DIV.23
DATE: 03/04/2021	
FAN VIBRATION - FIGURE 'D' TYPICAL AIR HANDLING UNIT (AHU) DETAIL	