



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS IN INCHES

TOLERANCES:  
.XX  $\pm .01$  .XXX  $\pm .005$   
FRACTIONS  $\pm 1/64$   
ANGULAR MACHINED  $\pm .5^\circ$   
ANGULAR BEND  $\pm 1^\circ$   
SURFACE FINISH  $\sqrt{125}$   
BREAK ALL EDGES .030

DO NOT SCALE

SHEET 1 OF 1

ITEM NO.	PART NUMBER	QTY.
1	VAWT Thrust Bearing	1
2	VAWT Tube	1
3	Central Drive Shaft	1
4	VAWT Mounting Plate	1
5	Mounting Plate Gusset	3
6	Vertical Axis Wind Turbine	1
7	One-Way Bearing	1
8	FW Shaft	1
9	FW Shaft Mounting Plate	1
10	FW Shaft Cut Pipe Support	1
11	FW Shaft Cap	1
12	FW Thrust Bearing	1
13	Stand Assembly	1
14	KHK Bevel Gear	2
15	Flywheel	1
16	Bevel Axle Bearing	2
17	Bevel Axle Rod	1
18	Timing Pulley	1



CASE SCHOOL  
OF ENGINEERING

CASE WESTERN RESERVE  
UNIVERSITY

TITLE:

Turbine Sub-Assembly

SIZE:

**A**

DATE:

12/6/2019

DRAWN BY:

B. VOTH

MATERIAL:

N/A

PART #:

C2-A-01

REV:

0