

Jacob Eldred Art Portfolio

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Fall 2024

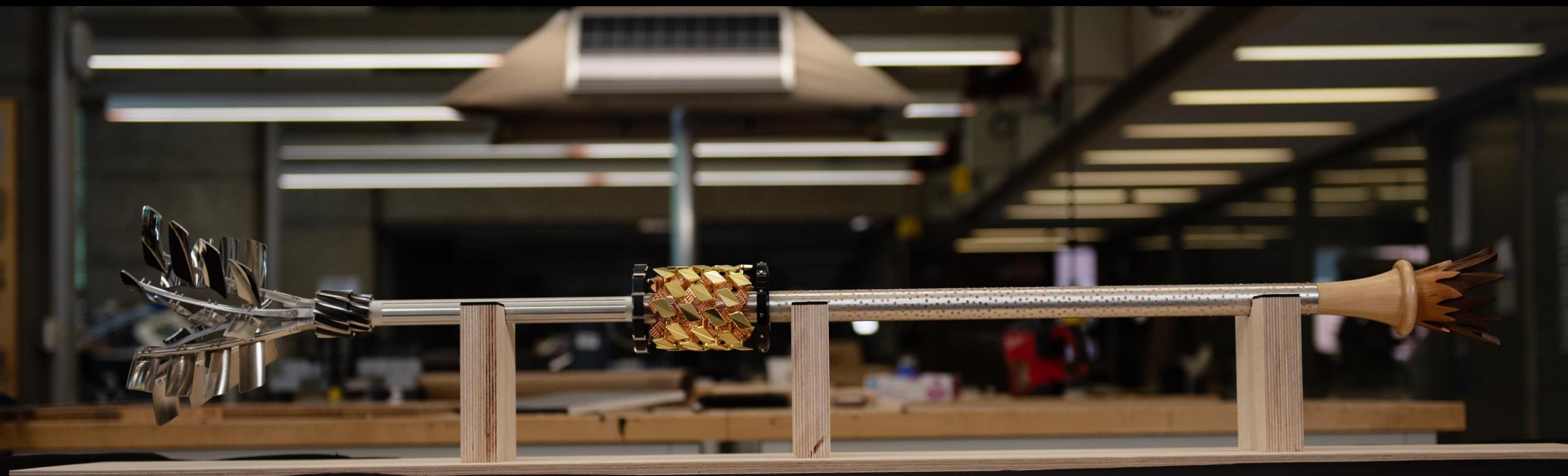
All projects entirely designed by me,
some made with professional support.



School of Engineering Ceremonial Mace

Stainless steel, aluminum, brass, copper, maple, walnut, cherry.

Commissioned by Dean of Engineering, Yale, 2024

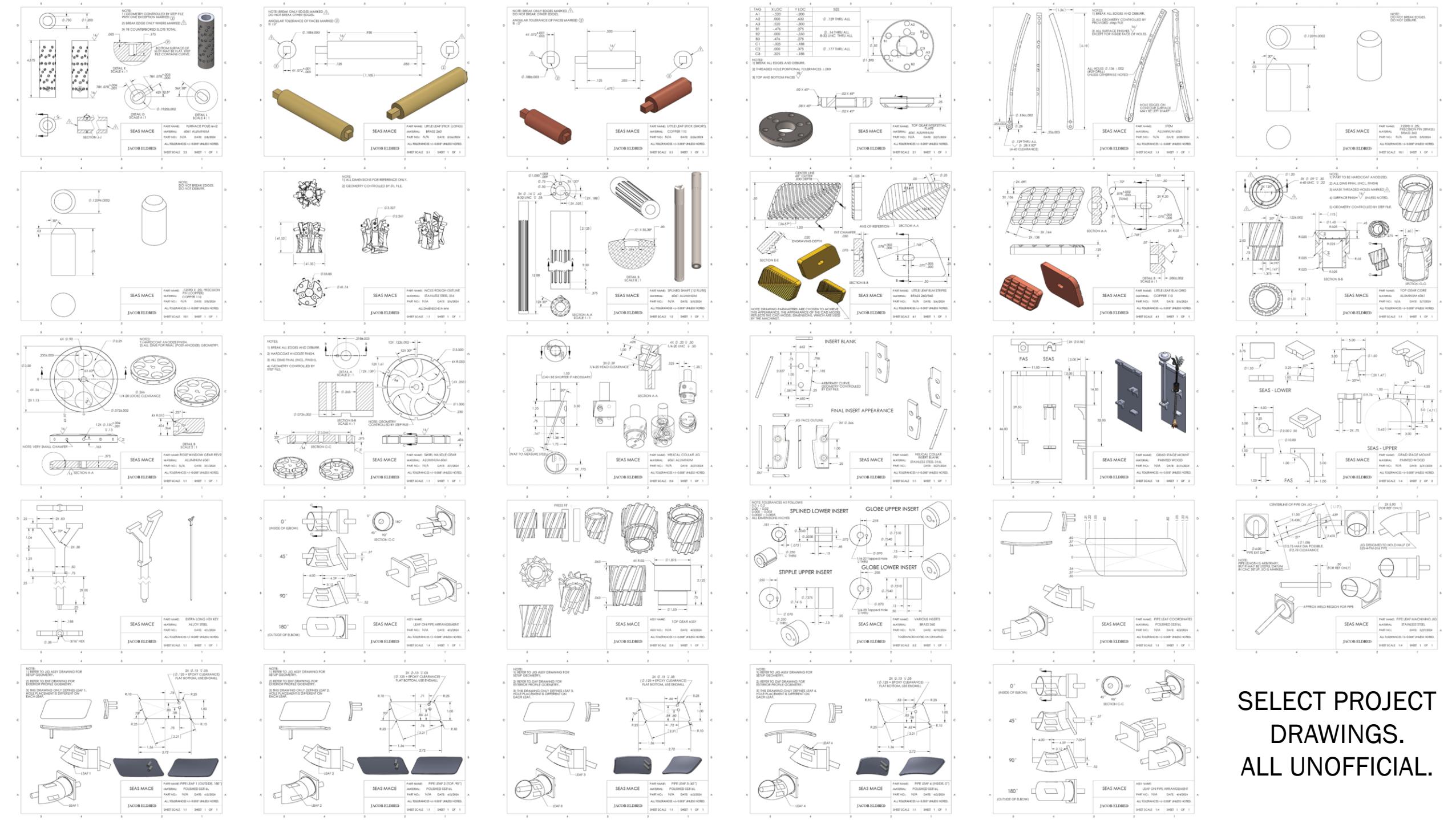


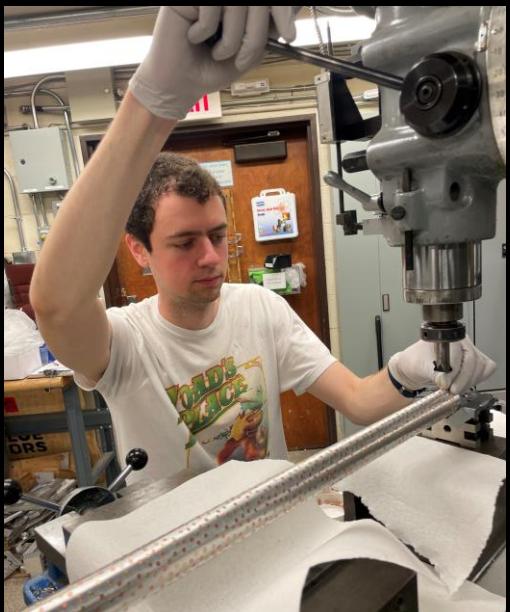
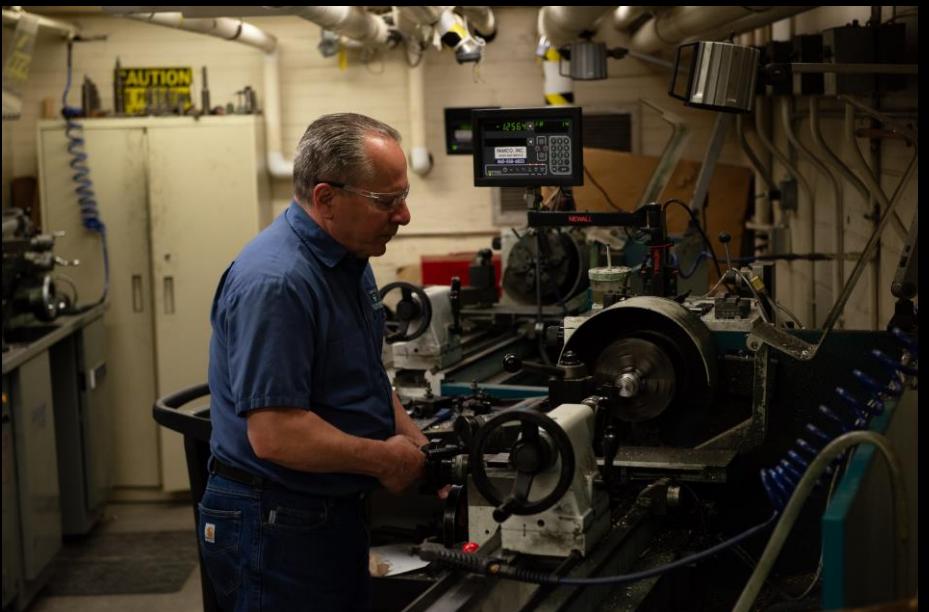
Represents engineering
at graduation.

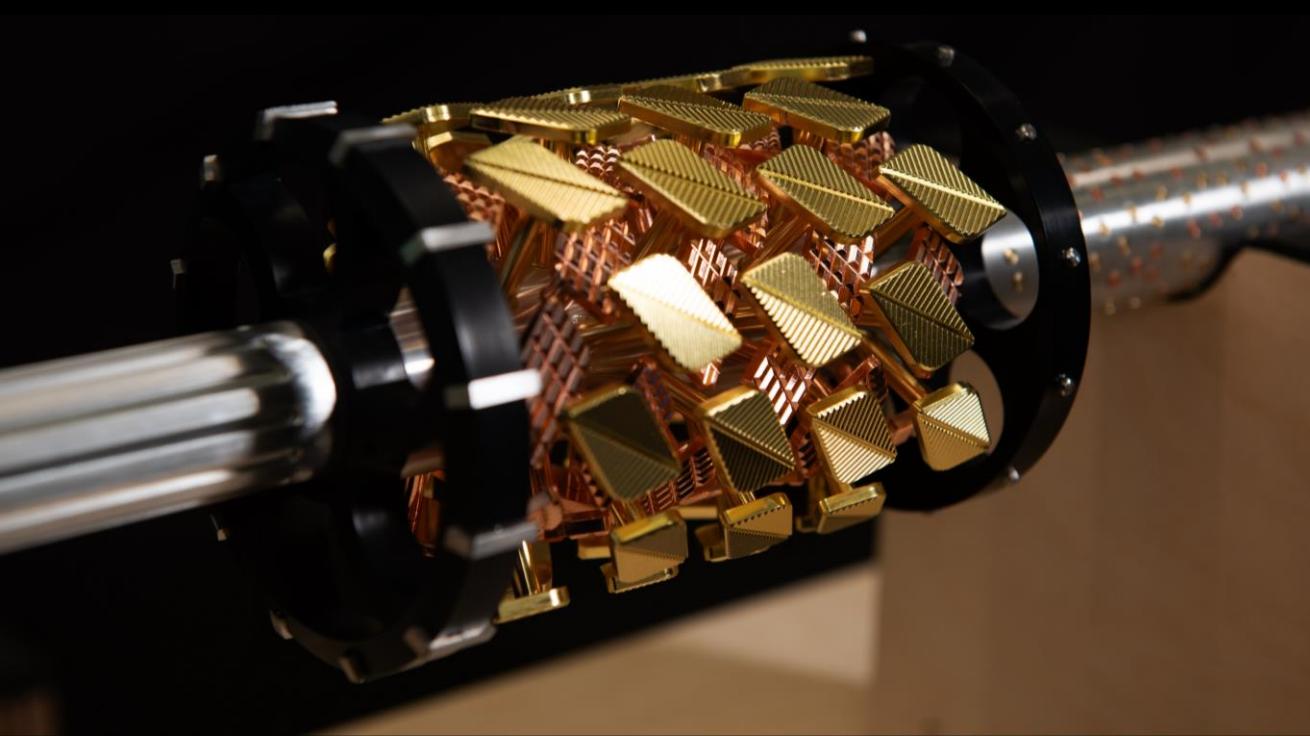
Over 2 years, 1000 hours of work
from me, 500+ from contributors

40 unique parts, 16 artisans/shops,
25+ manufacturing techniques

**SELECT PROJECT
DRAWINGS.
ALL UNOFFICIAL.**



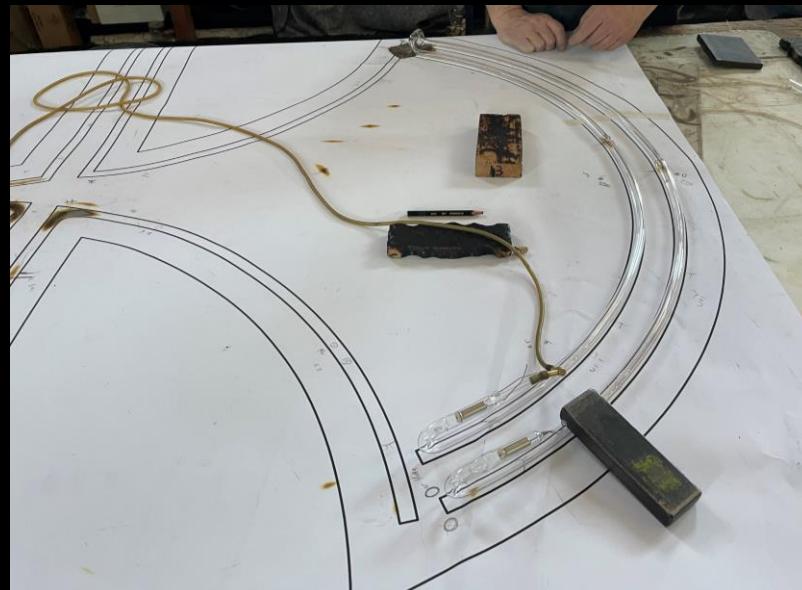
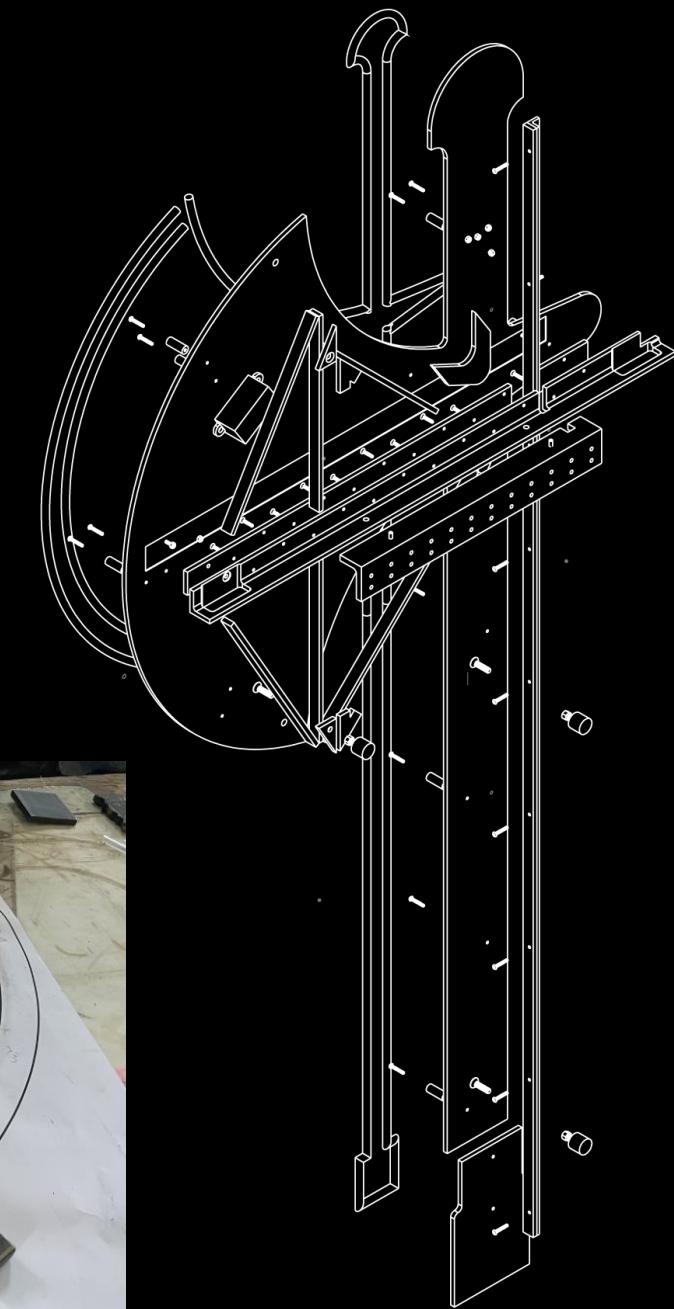
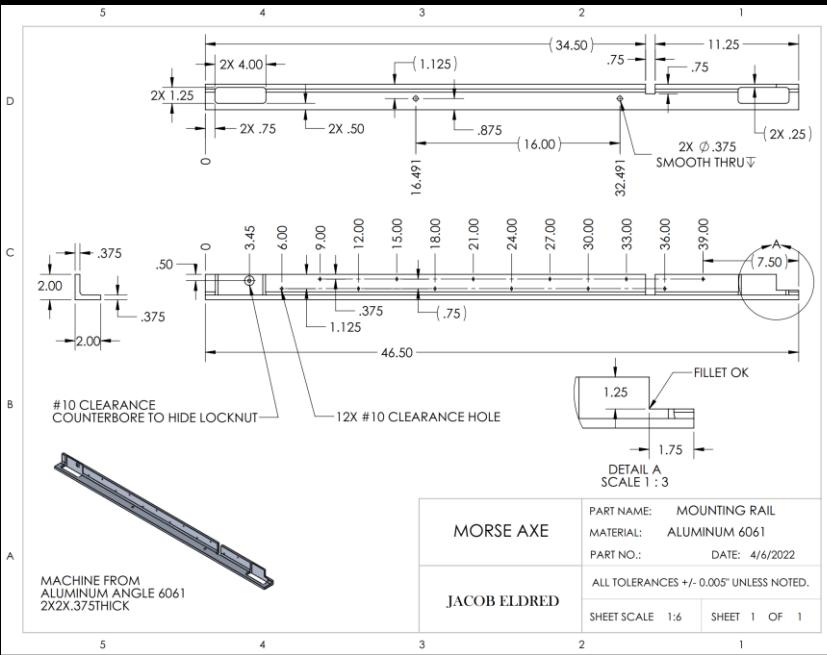




Neon Battle Axe

Neon glass, acrylic, aluminum hardware.
Permanent, Morse Dining Hall, Yale, 2022



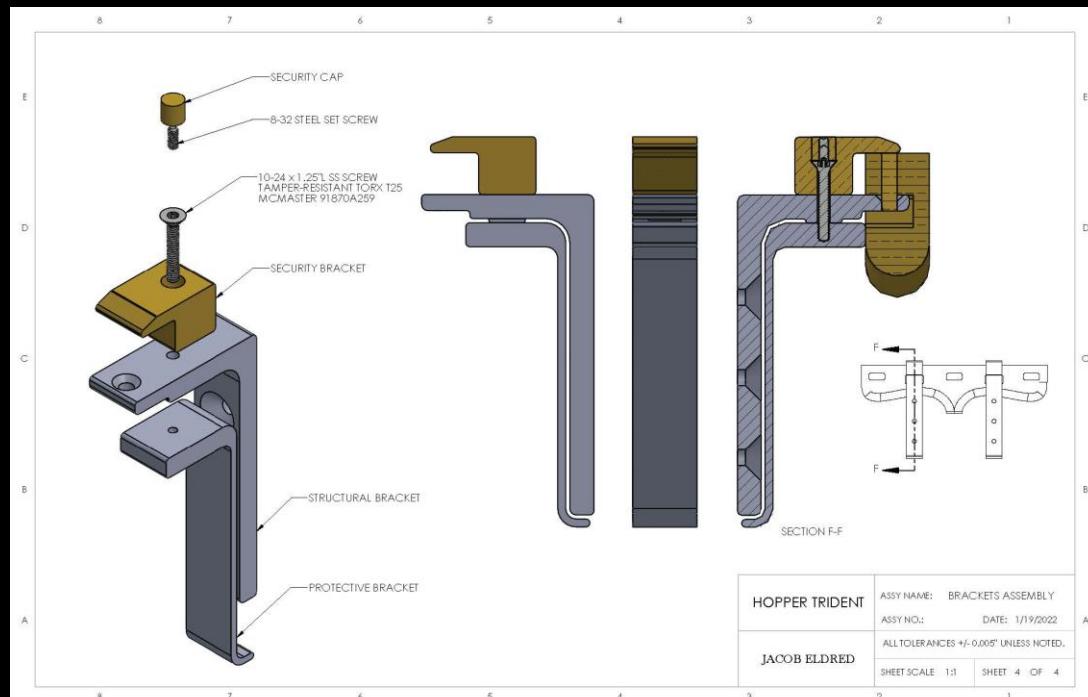
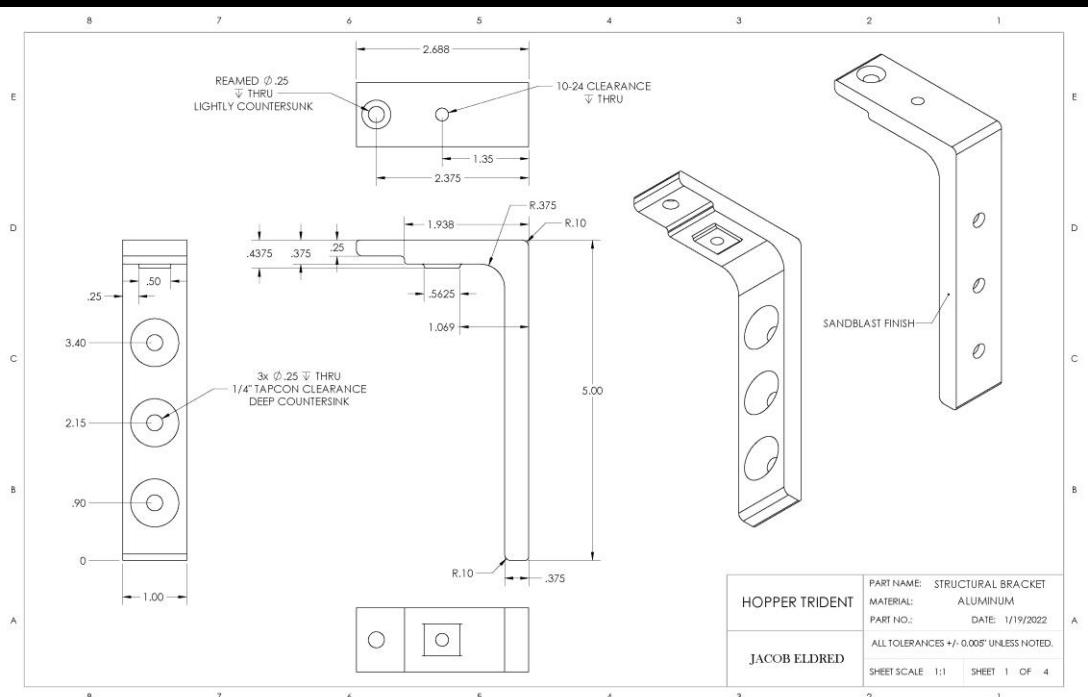
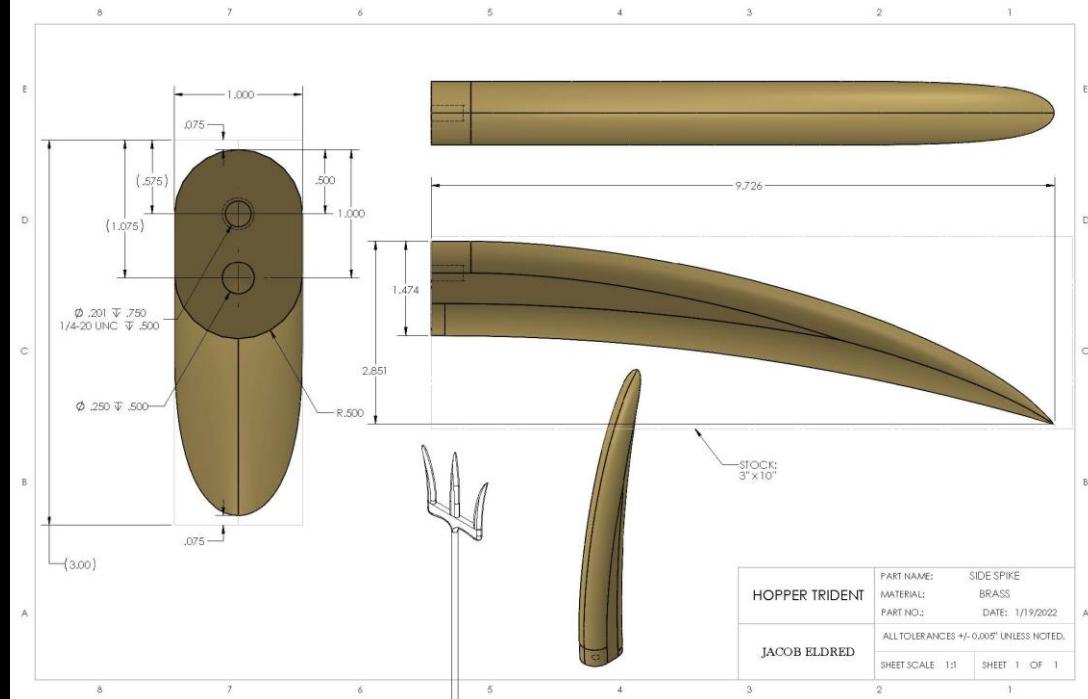
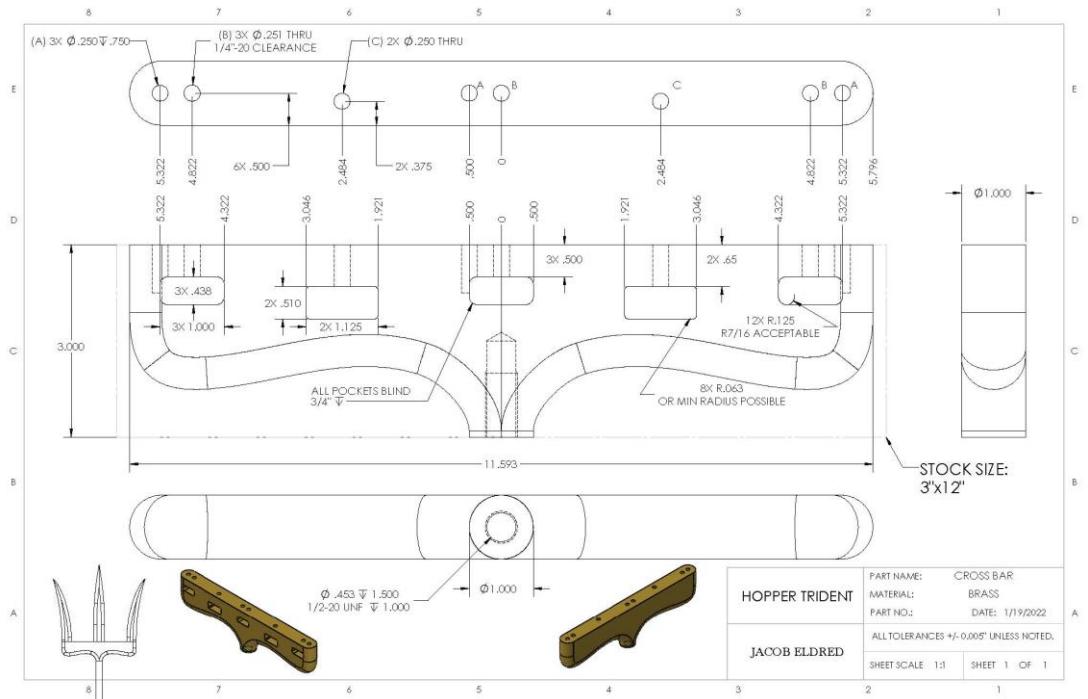


Brass Trident

Brass with steel fasteners and aluminum mounts.
Permanent, Grace Hopper Dining Hall, Yale, 2021





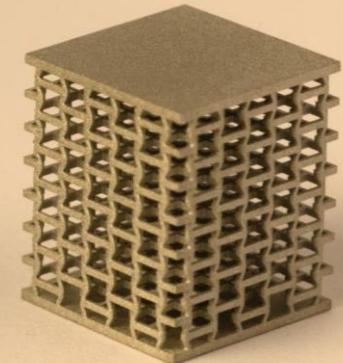
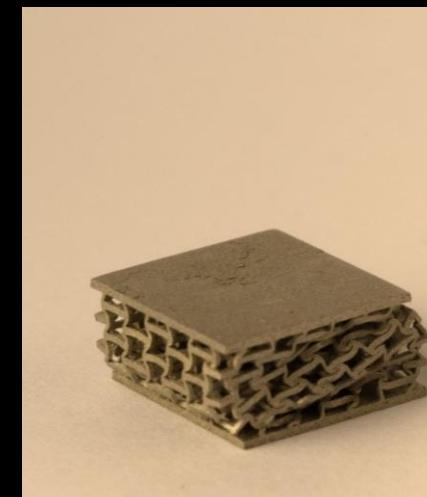
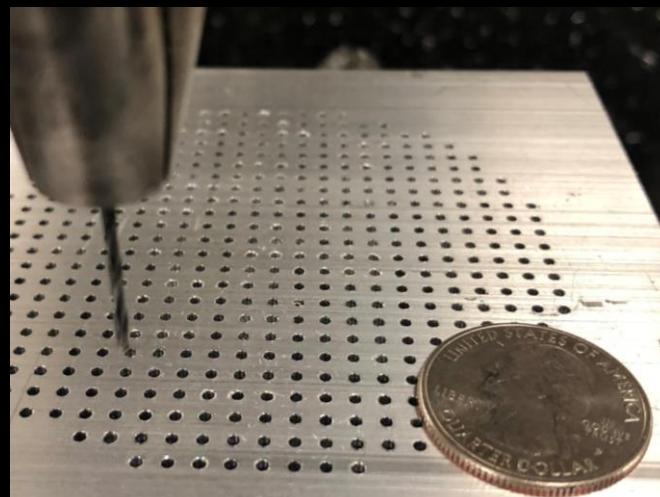
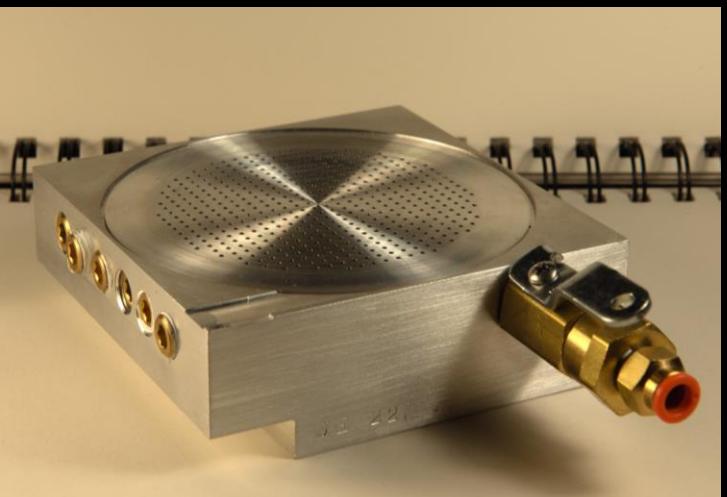
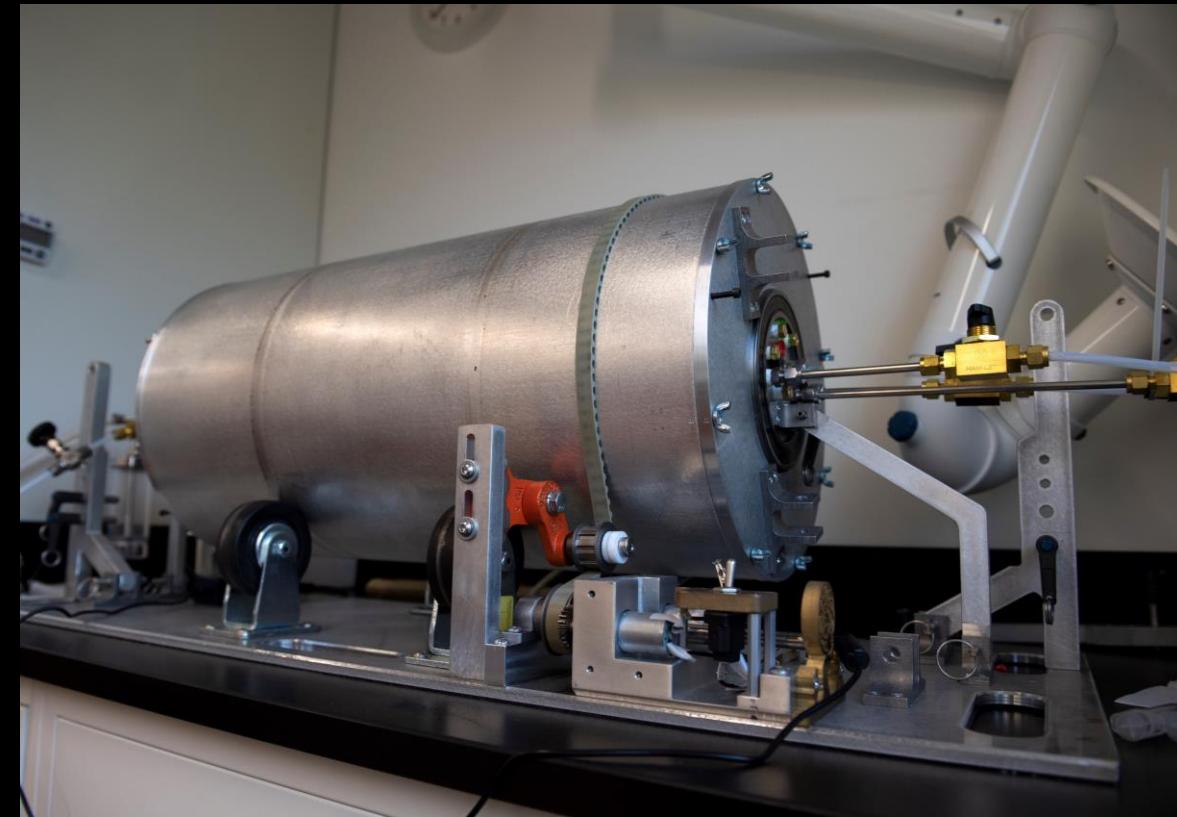
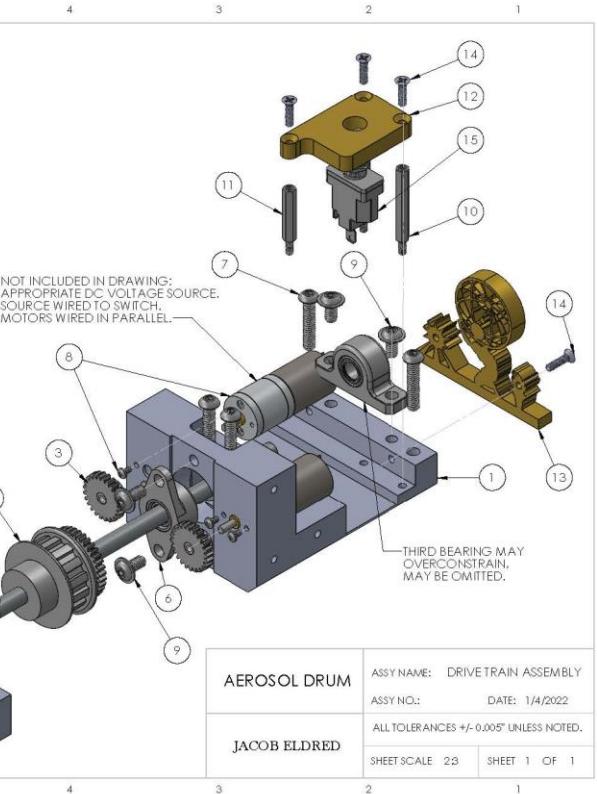
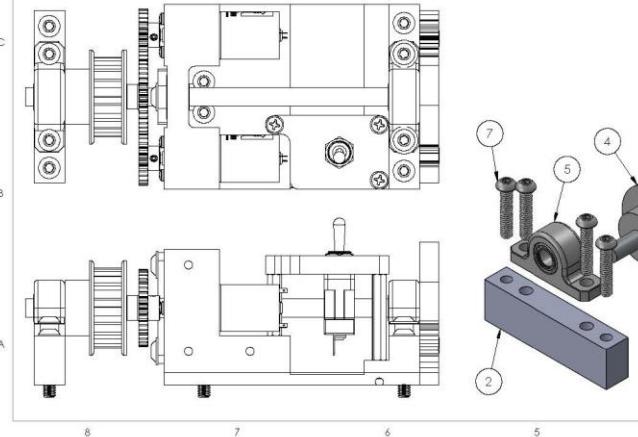




Beer Window
Post-consumer printed
paperboard.
2023

Originally made in dorm
common room.
Now permanently
installed in Morse
College, Yale University.

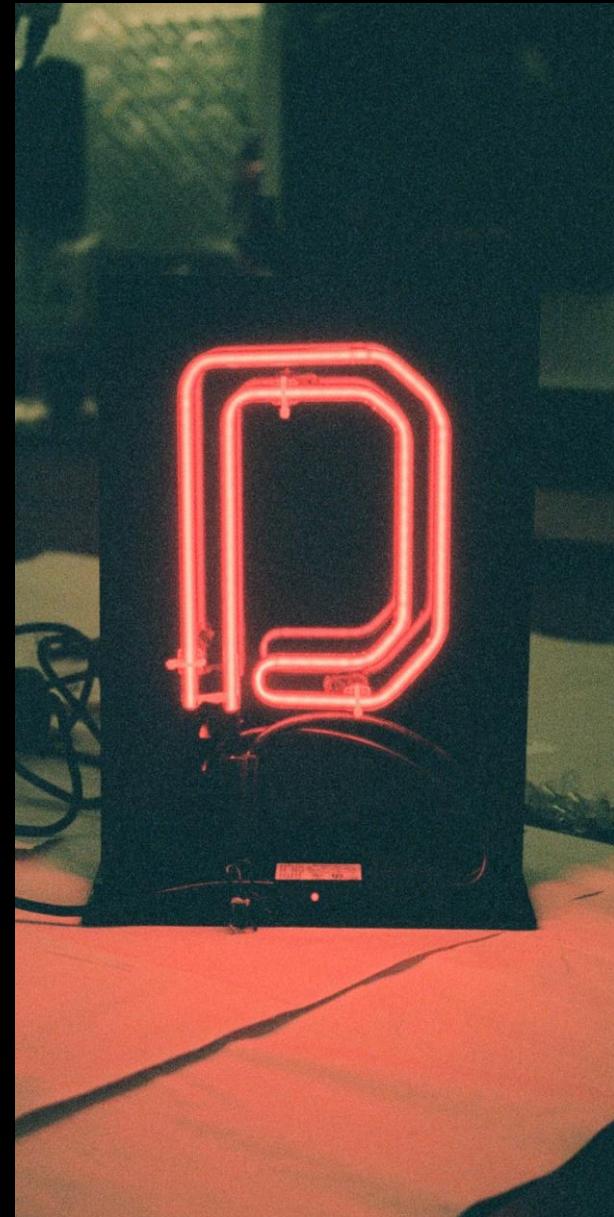
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	N/A	POWERTRAIN MOUNTING BLOCK	1
2	N/A	BEARING MOUNTING BLOCK	1
3	N/A	ASSEMBLED SMALL GEAR	2
4	N/A	GEAR SHAFT ASSEMBLY	1
5	MCMASTER: 2820T5	MOUNTED BEARING FOR 3/8" Ø SHAFT	2
6	MCMASTER: 2820T35	MOUNTED SLEEVE BEARING W/ TWO-BOLT FLANGE FOR 3/8" Ø SHAFT	1
7	MCMASTER: 91306A250	BUTTON HEAD HEX DRIVE SCREWS ZINC-PLATED ALLOY STEEL 1/4"-20, 1-1/4" L	8
8	POLOLU: 3233	METAL GEARMOTOR 26Dx54L NOTE: OTHER MOTORS FROM THIS SERIES FIT IN MOUNTING BLOCK	2
9	MCMASTER: 90909A527	316 SS FLANGED BUTTON HEAD SCREW 1/4"-20, 1/2" L	4
10	MCMASTER: 93505A003	M-F THREADED HEX STANDOFF, 1/4" HEX, 1-3/4" L, 8-32	2
11	MCMASTER: 93505A457	M-F THREADED HEX STANDOFF, 1/4" HEX, 1-1/4" L, 8-32	1
12	N/A	BUTTON MOUNTING PLATE	1
13	N/A	ATLAS	1
14	MCMASTER: 90273A196	STEEL SCREW, 8-32, 5/8" LONG	5
15	MCMASTER: 8002K13	TOGGLE SWITCH 2 POSITION, ROUNDED,	1



Miscellaneous engineering projects. 2020-2024



Babel. Stained alder and inlaid walnut, cherry, and maple. 2018



Various projects, neon glass, acrylic boxes. All 2019.



Mr. Gordon, head of facilities, Digital photograph, 2017. Scholastic Art & Writing national silver medal, hung in the Metropolitan.