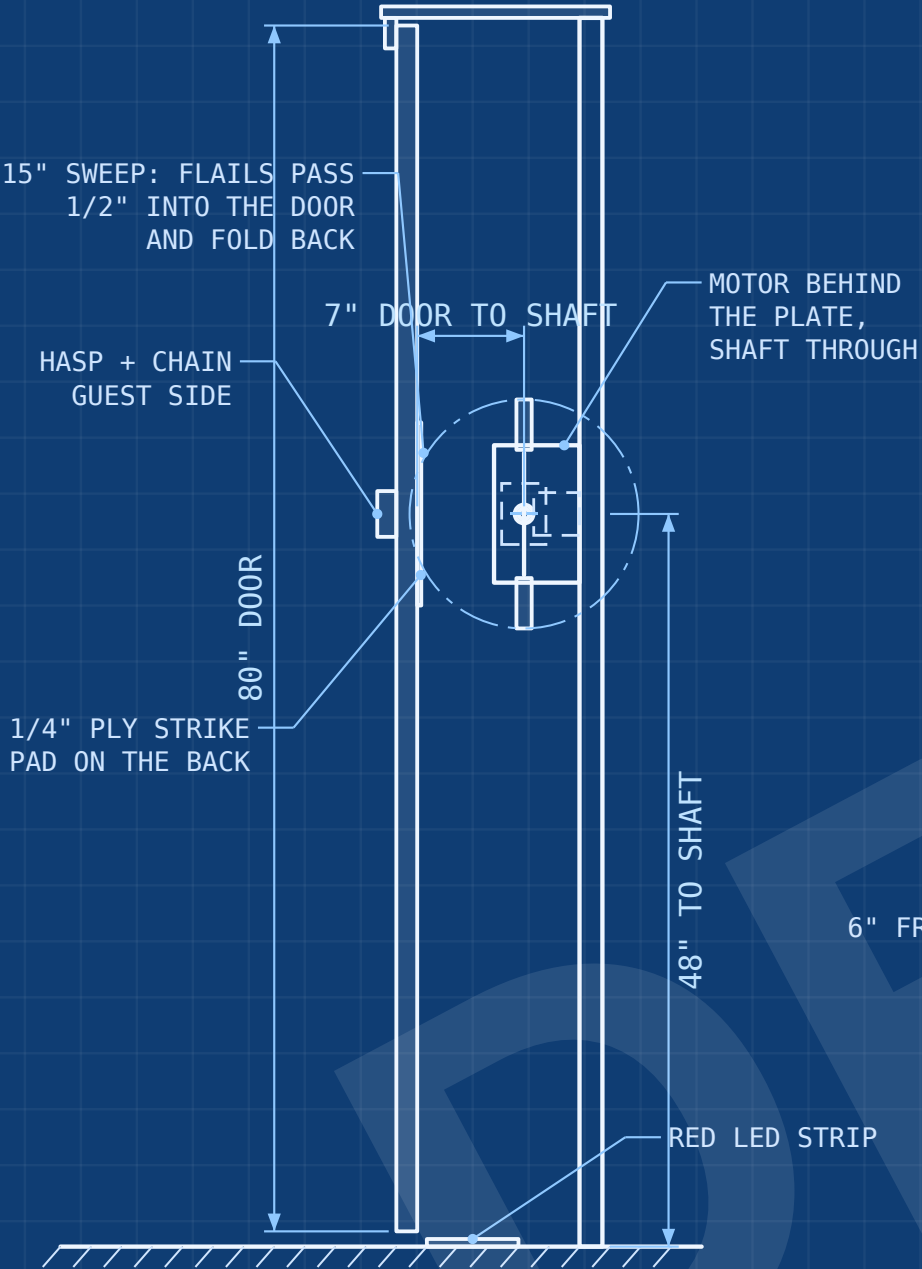


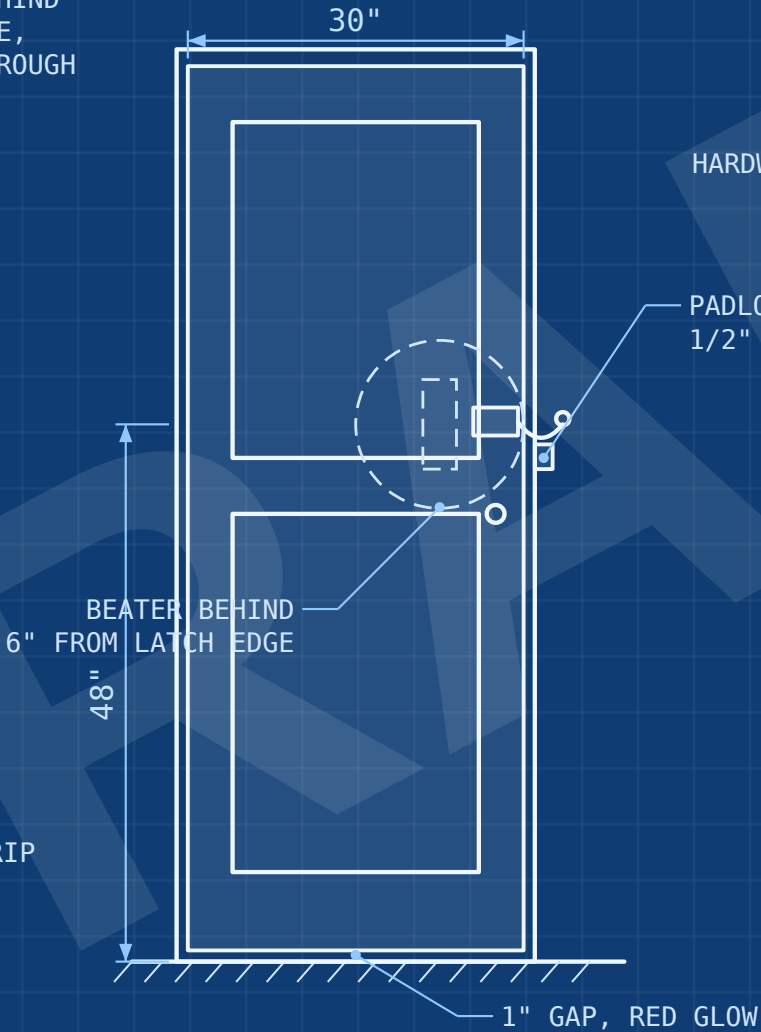
SIDE SECTION

GUESTS ON THE LEFT · BEATER PARKED



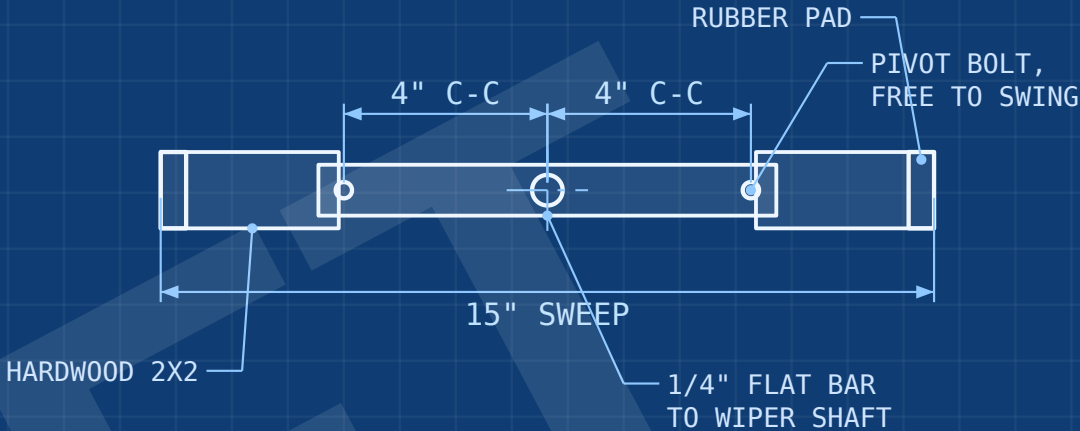
FRONT ELEVATION

GUEST VIEW



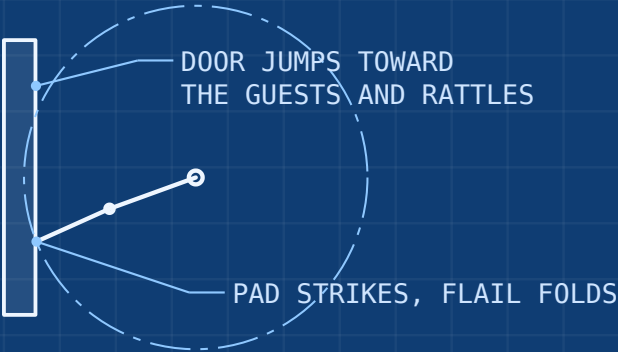
DETAIL A · FLAIL BEATER

SPINNING · BOTH FLAILS THROWN OUT



DETAIL B · ONE HIT

FLAIL FOLDS BACK AGAINST THE DOOR



NOTES

1. Inches. Shaft 48" off the floor, 7" behind the door's back face and parallel to it. The motor bolts to the back of the plate; only the shaft comes through.
2. Each flail reaches 7 1/2" from the shaft, 1/2" past the door, so it strikes and folds back. It never jams.
3. Set park with the beater vertical, so both flails sit clear of the door between scares.
4. Leave 1/4" of play in the latch and 1/2" of slack in the chain, so the door jumps and rattles.
5. Close in the back of the mechanism. The hasp and chain hold the door shut even if the latch fails.

CUT LIST & HARDWARE

QTY	PART	SIZE / SPEC
1	Door, hollow core	30 × 80
1	Frame + hinges	door in its own flat
1	Wiper motor + relay	12V, park wired
1	Beater bar, 1/4" flat	1 × 9", center hole
2	Flails, hardwood 2x2	3 1/2" + rubber pad
2	Pivot bolts + nylocks	5/16" × 2 1/2"
1	Strike pad, 1/4" ply	12 × 12
1	Hasp, chain, padlock	1/2" chain slack
1	Red LED strip	12V · R2

PROP CONTROL · DIY PROJECT 11

POUNDING
DOOR

Flail beater on a wiper motor

SCALE
NOT TO SCALE
REV
A

UNITS
INCHES
DATE
2026-10-13

SHEET
1 OF 1
DRAWN
PROP CONTROL