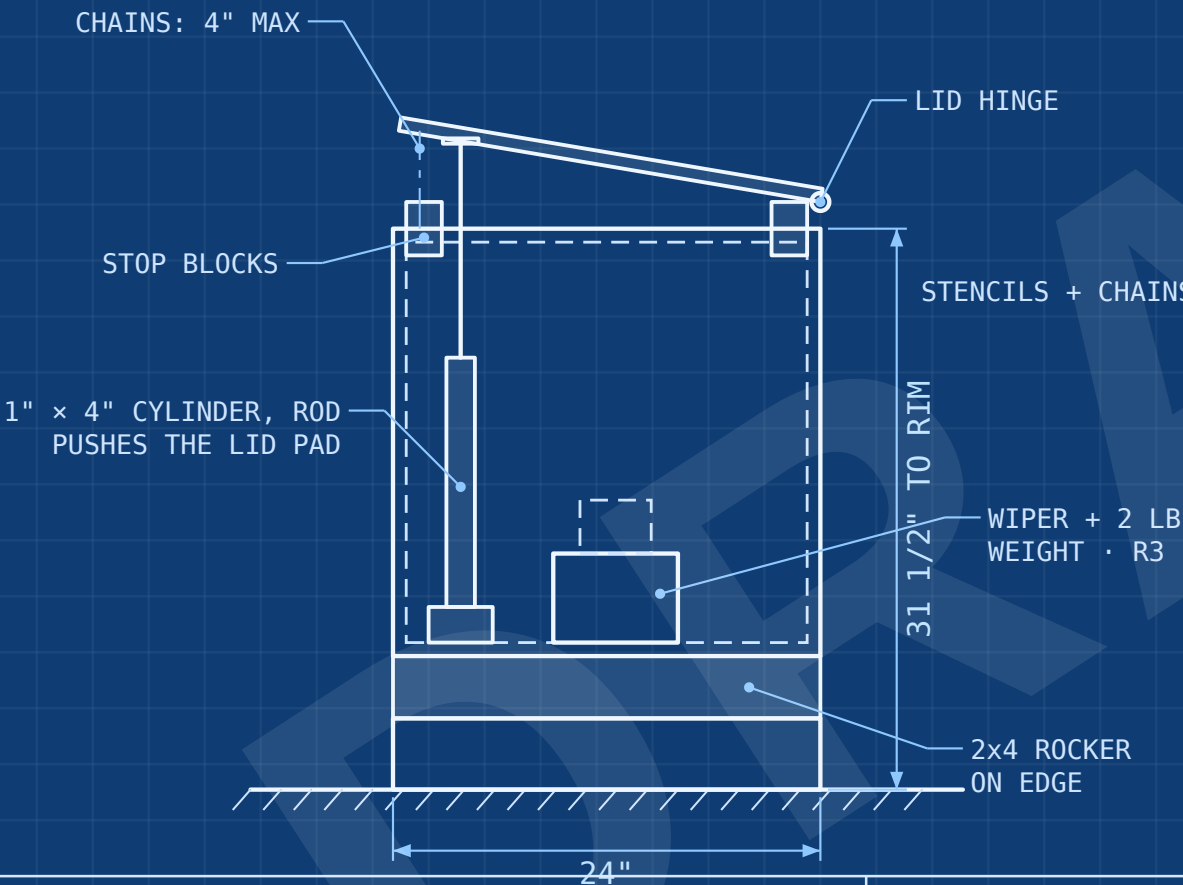


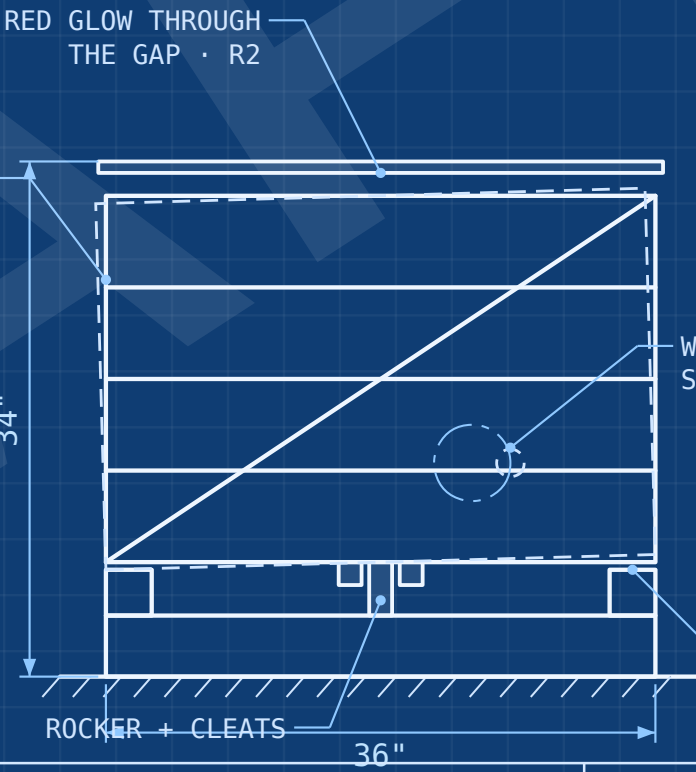
SIDE SECTION

FRONT ON THE LEFT · LID SHOWN UP 4"

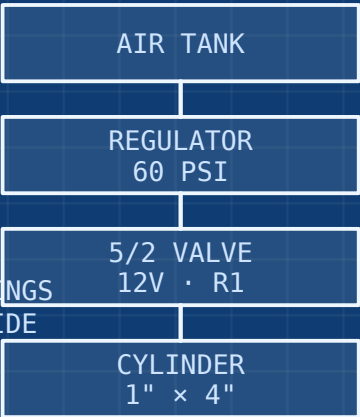


FRONT ELEVATION

GUEST VIEW · TIP DASHED



AIR SCHEMATIC



LID RESTS ON THE ROD PAD.
GRAVITY SLAMS IT BACK DOWN.
LEAVE SLACK IN THE AIR LINE.

BUMPER 1/2" BELOW,
CRATE TIPS ~1 1/2°

NOTES

1. Inches. Lid hinged at the back, chained to 4" open. The rod only pushes a pad; the lid falls back by its weight.
2. Stop blocks catch the lid 1 1/2" above the rim. No pinch point.
3. The crate rocks on a 2x4 screwed to the pallet. Cleats and loose end bolts keep it on.
4. Bumpers 1/2" below the corners limit the tip to about 1 1/2°. Leave slack in the air line.
5. Shaker shaft runs front to back. Box in the weight. Rope 3 ft out.

CUT LIST & HARDWARE

QTY	PART	SIZE / SPEC
1	Crate, 1x6 + 2x4	36 x 24 x 24
1	Pallet	36 x 24
1	Lid, 3/4" ply + battens	37 x 25
1	Lid chains + stop blocks	2 chains, 4 x 2x2
1	Rocker 2x4 + cleats	24", on edge
4	Rubber bumpers	3" tall, corners
1	Air cylinder + valve	1" x 4" · 5/2 · R1
1	Wiper motor + weight	12V, 2 lb · R3
1	Red LED flood	12V · R2

PROP CONTROL · DIY PROJECT 16

CRATE
MONSTER

Air cylinder lid · rocker + shaker

SCALE	UNITS	SHEET
NOT TO SCALE	INCHES	1 OF 1
REV	DATE	DRAWN
A	2026-10-13	PROP CONTROL