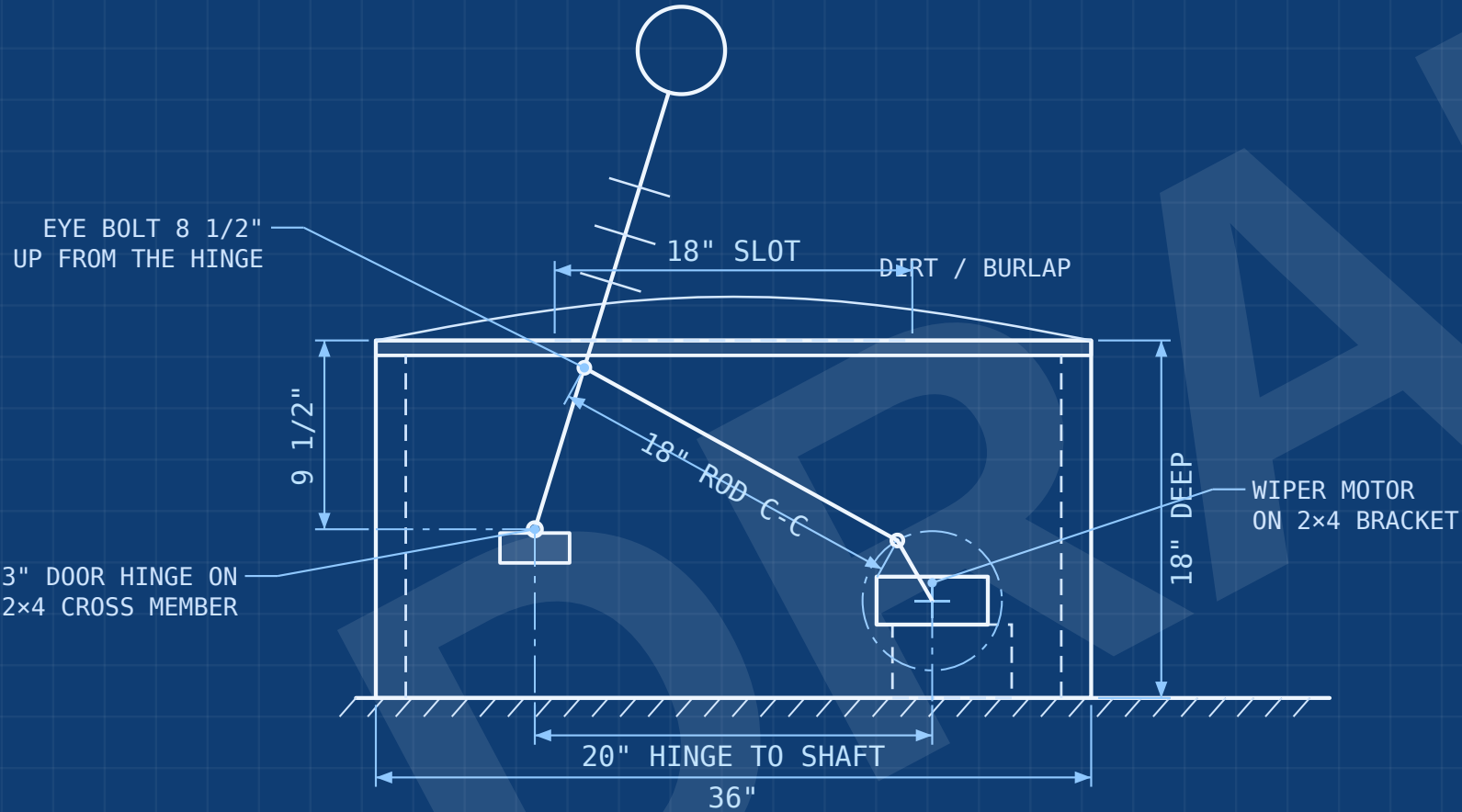
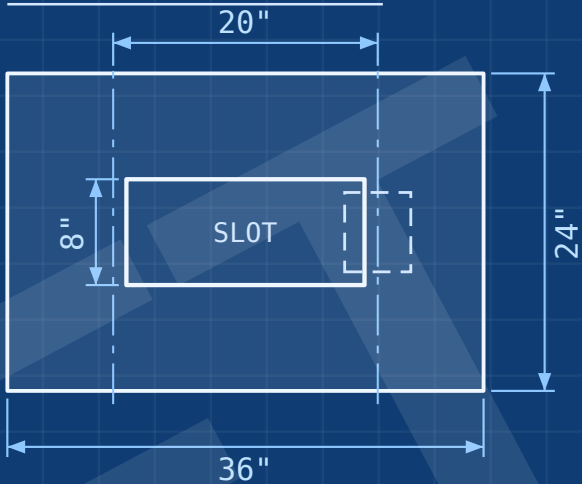


SECTION THROUGH THE BOX
SKELETON SHOWN AT 40°

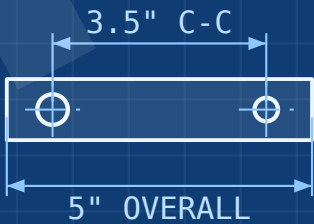


TOP VIEW · BOX LID



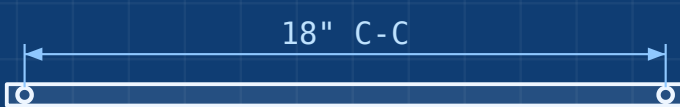
DETAIL A · CRANK ARM

1/4" x 1" STEEL FLAT BAR



DETAIL B · PUSHROD

1x2 OR 1/2" EMT, EYE BOLTS EACH END



NOTES

1. Dimensions in inches. The box sits on the lawn and its lid is covered with dirt to look like a fresh grave.
2. Hip hinge 9 1/2" below the lid. Motor shaft 20" behind the hinge and 3 5/8" lower.
3. With these sizes the torso swings from 14° to 63° from vertical. Shorten the rod to sit up higher.
4. Set the crank on the motor so the park position leaves the skeleton lying down.
5. Turn by hand before powering: the torso must not touch the slot ends or the lid.

CUT LIST & HARDWARE

QTY	PART	SIZE / SPEC
1	Box frame, 2x4	2 x 36", 2 x 21", 4 x 18"
1	Lid, 3/4" plywood	24 x 36, 8 x 18 slot
1	Hinge cross member, 2x4	21"
1	Torso board, 1x4	23"
1	Wiper motor + bracket	12V
1	Crank, 1/4" flat bar	1 x 5"
1	Pushrod, 1x2	19" (18" C-C)
2	Eye bolts	1/4" + nuts
1	Auto relay + fuse	40A relay, 15A fuse

PROP CONTROL · DIY PROJECT 02

GRAVEYARD
GROUNDBREAKER

Hinged skeleton · wiper motor + park

SCALE
NOT TO SCALE
REV
A

UNITS
INCHES
DATE
2026-10-13

SHEET
1 OF 1
DRAWN
PROP CONTROL