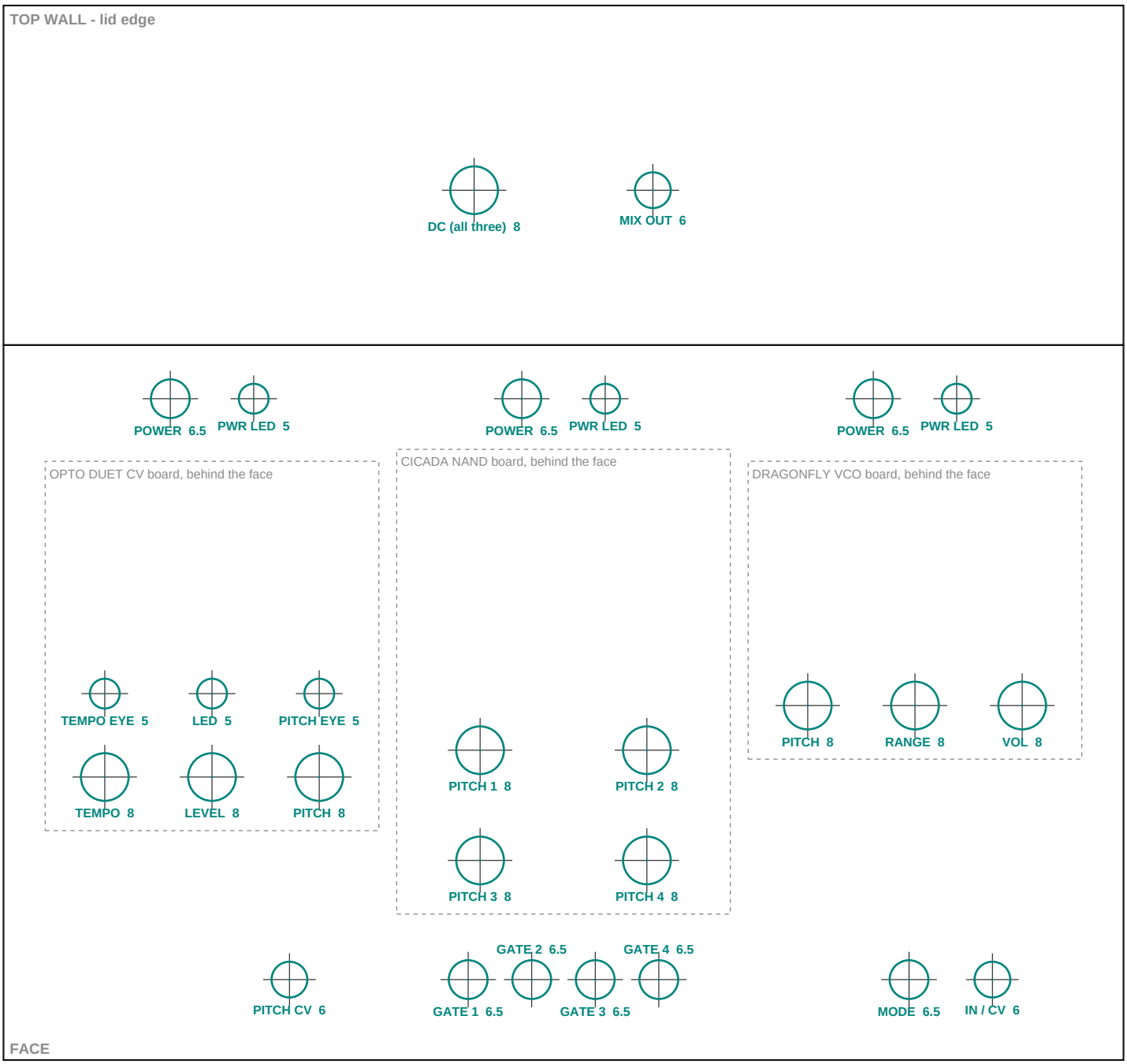
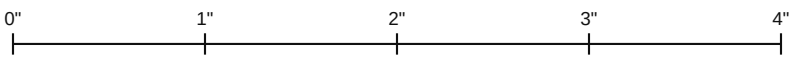
BUGBOX - 1590DD DRILL TEMPLATE

Opto Duet CV + Cicada NAND + Dragonfly VCO . a 1590DD on its back: the face, 188 x 120 mm, the top wall unfolded above it
DRILLED ONCE, FOR MY BUGBOX. Its Cicada pots ended up on wires - check your pots fit the boards before you make a hole





SCALE CHECK - this bar must measure EXACTLY 4 inches (101.6 mm).
Print at 100% / "Actual size", never "Fit to page."

Each column is that board's 125B layout dropped 5.5 mm to make room up top: boards 3 mm apart, 7 mm in from each end.
Pot, eye and LED holes are where each board puts them: fit the pots first. In my Bugbox the Cicada's pots ended up on wires.
8 mm pot holes (7 mm bushing, 16 mm board-mount pot), 6.5 mm toggles, 8 mm DC jack, 6 mm for 3.5 mm jacks, 5 mm for an LED or a photocell.
Top strip: each board gets its own POWER toggle + LED, 9 mm down from the top edge. One DC jack feeds all three; one mixed OUT.
The boards hang about 12 mm behind the face on the pot bodies; the wall parts sit 26 mm in from the face edge so they pass behind them.
Boards go in FIRST, then the wall parts. Check the outer boards clear the inside walls - 1590DD walls draft inward toward the face.
Pilot at 3 mm, open up, deburr, then blow every chip of swarf out of the box before the boards go in.
the face should measure 188 x 120 mm . the top wall should measure 188 x 57 mm