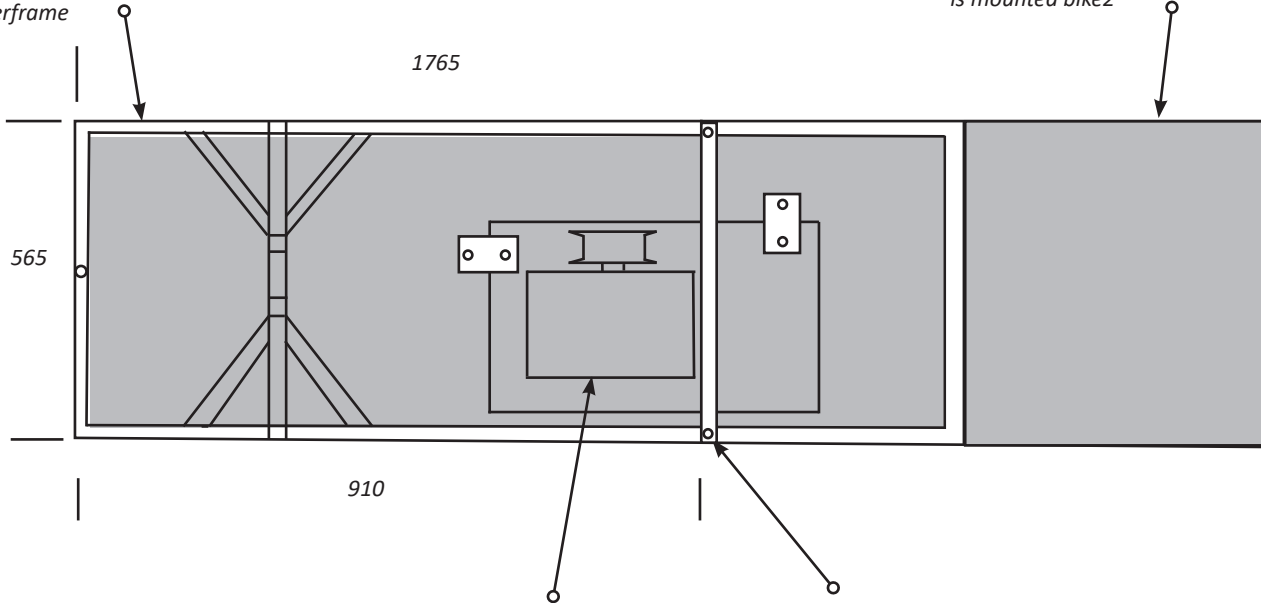# BikeGen Frame Schematic_2022

From Above
angle-iron frame1

angle-iron frame1: 35x35x4 mm
miter cut corners, solid welded
fabrication bolted to plywood
underframe

32 mm plywood underframe is 520 mm
longer than angle-iron frame1 in order to
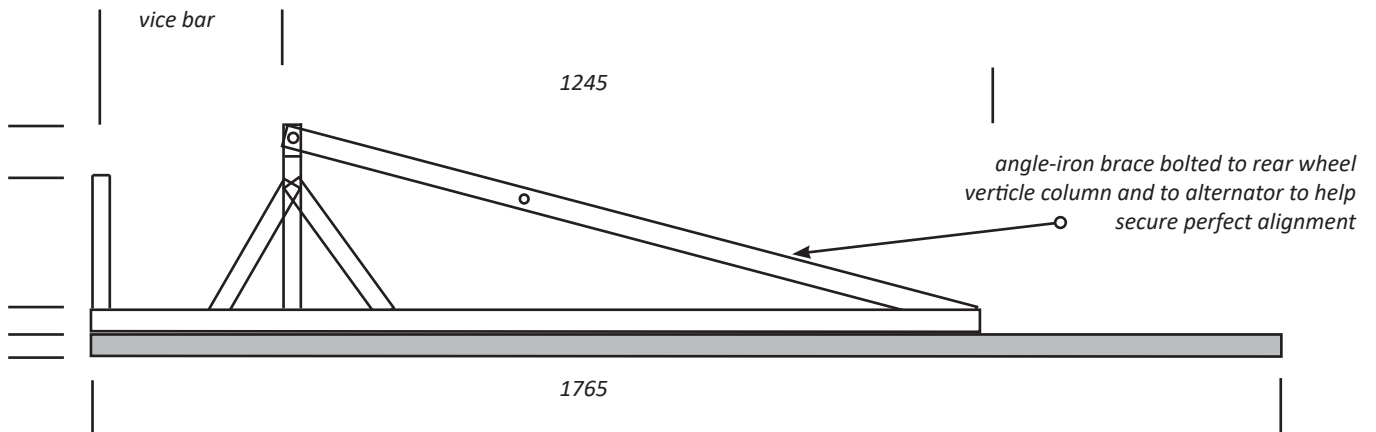securely connect angle-iron frame2, on which
is mounted bike2

1765

565

910

Alternator mounted on a separate
board 410x300x24 mm to permit
maximum adjustment options in
order to align the bicycle drive wheel
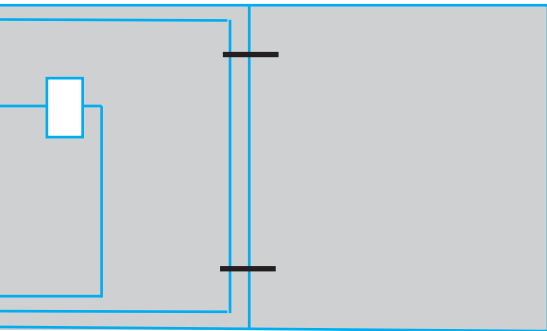and alternator pulley in perfect line

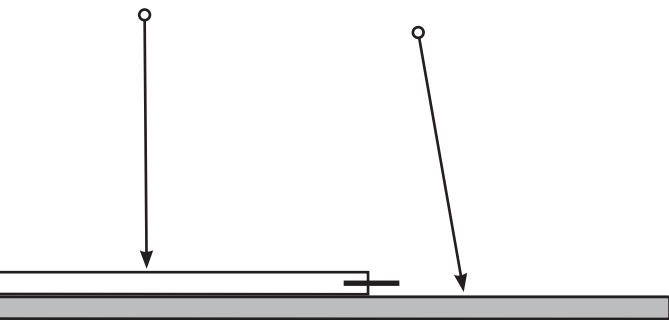Fixed in place by Vice Bar
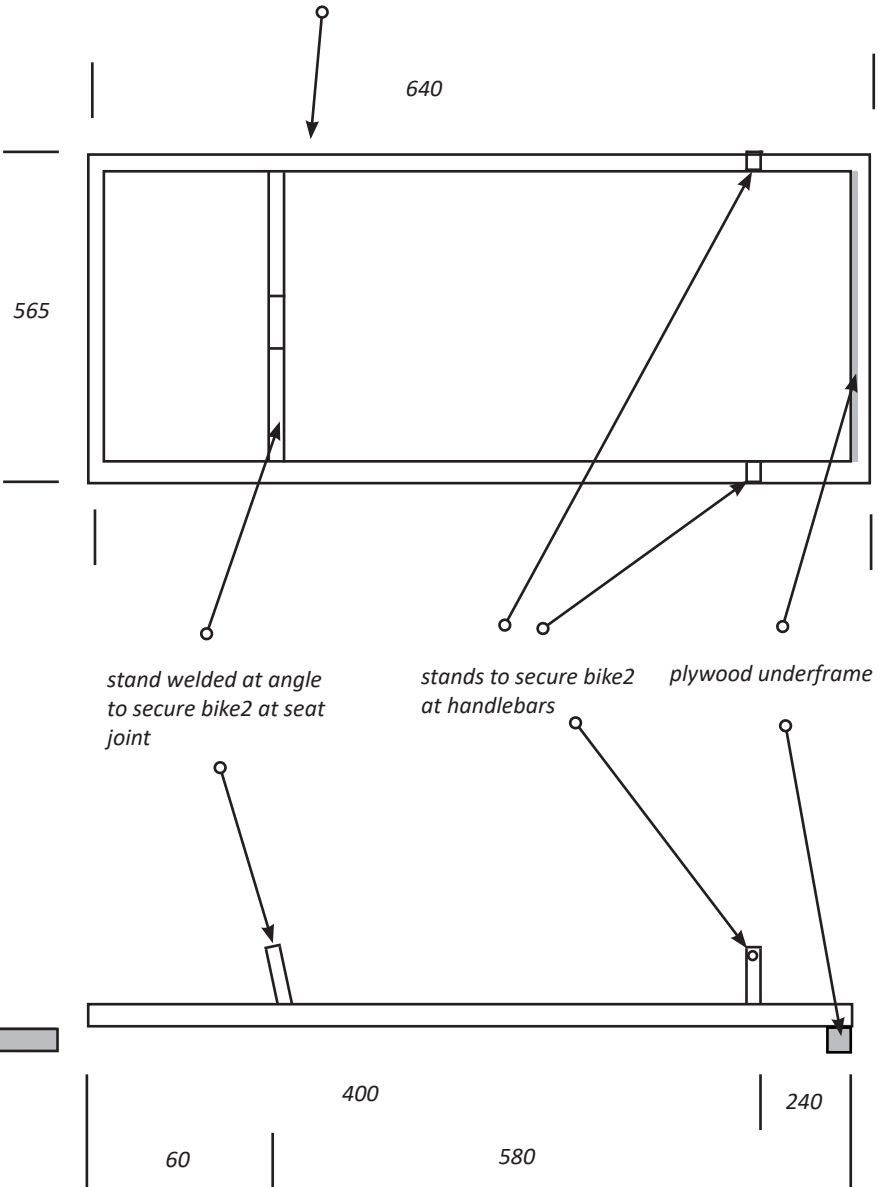
Side View
angle-iron frame1

vice bar

1245

angle-iron brace bolted to rear wheel
verticle column and to alternator to help
secure perfect alignment

1765

From Above
angle-iron frame2

angle-iron frame2 is 30x30x4 mm secures the driven bicycle
and is bolted to a 640 mm plywood underframe whose position
can be adjusted so as to bring driven back wheel of bike 2 in
contact with and under tension from the alternator belt

640

565

angle-iron frame1

plywood underframe
extension

stand welded at angle
to secure bike2 at seat
joint

stands to secure bike2
at handlebars

plywood underframe

400

240

60

580

Side View
angle-iron frame2