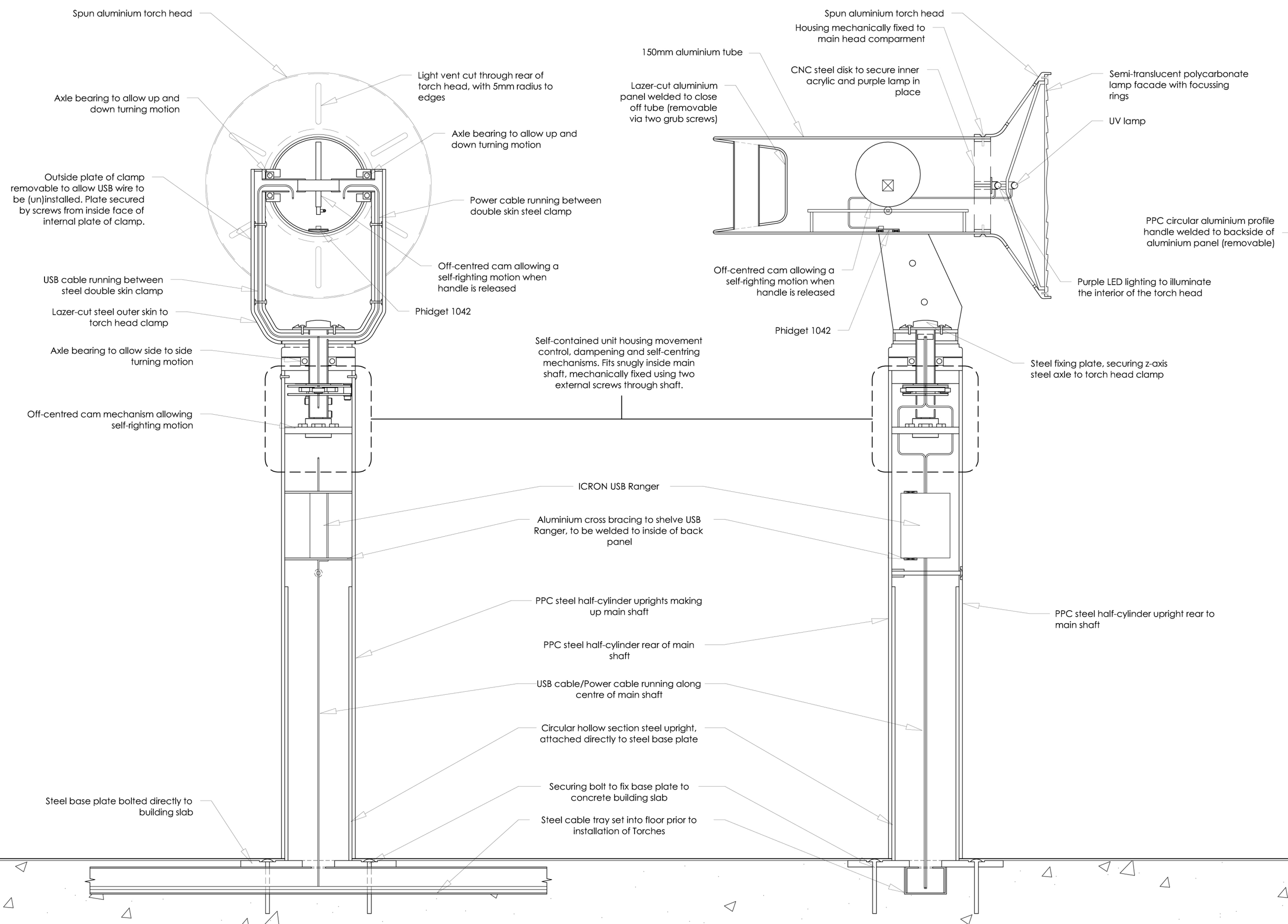
Spun aluminium torch head
Light vent cut through rear of torch head, with 5mm radius to edges
Axle bearing to allow up and down turning motion
Axle bearing to allow up and down turning motion
Outside plate of clamp removable to allow USB wire to be (un)installed. Plate secured by screws from inside face of internal plate of clamp.
Power cable running between double skin steel clamp
Off-centred cam allowing a self-righting motion when handle is released
USB cable running between steel double skin clamp
Lazer-cut steel outer skin to torch head clamp
Phidget 1042
Axle bearing to allow side to side turning motion
Off-centred cam mechanism allowing self-righting motion
Spun aluminium torch head
Housing mechanically fixed to main head comparment
150mm aluminium tube
CNC steel disk to secure inner acrylic and purple lamp in place
Lazer-cut aluminium panel welded to close off tube (removable via two grub screws)
Semi-translucent polycarbonate lamp facade with focussing rings
UV lamp
PPC circular aluminium profile handle welded to backside of aluminium panel (removable)
Off-centred cam allowing a self-righting motion when handle is released
Purple LED lighting to illuminate the interior of the torch head
Phidget 1042
Steel fixing plate, securing z-axis steel axle to torch head clamp
Self-contained unit housing movement control, dampening and self-centring mechanisms. Fits snugly inside main shaft, mechanically fixed using two external screws through shaft.
ICRON USB Ranger
Aluminium cross bracing to shelve USB Ranger, to be welded to inside of back panel
PPC steel half-cylinder uprights making up main shaft
PPC steel half-cylinder upright rear to main shaft
PPC steel half-cylinder rear of main shaft
USB cable/Power cable running along centre of main shaft
Circular hollow section steel upright, attached directly to steel base plate
Securing bolt to fix base plate to concrete building slab
Steel base plate bolted directly to building slab
Steel cable tray set into floor prior to installation of Torches