

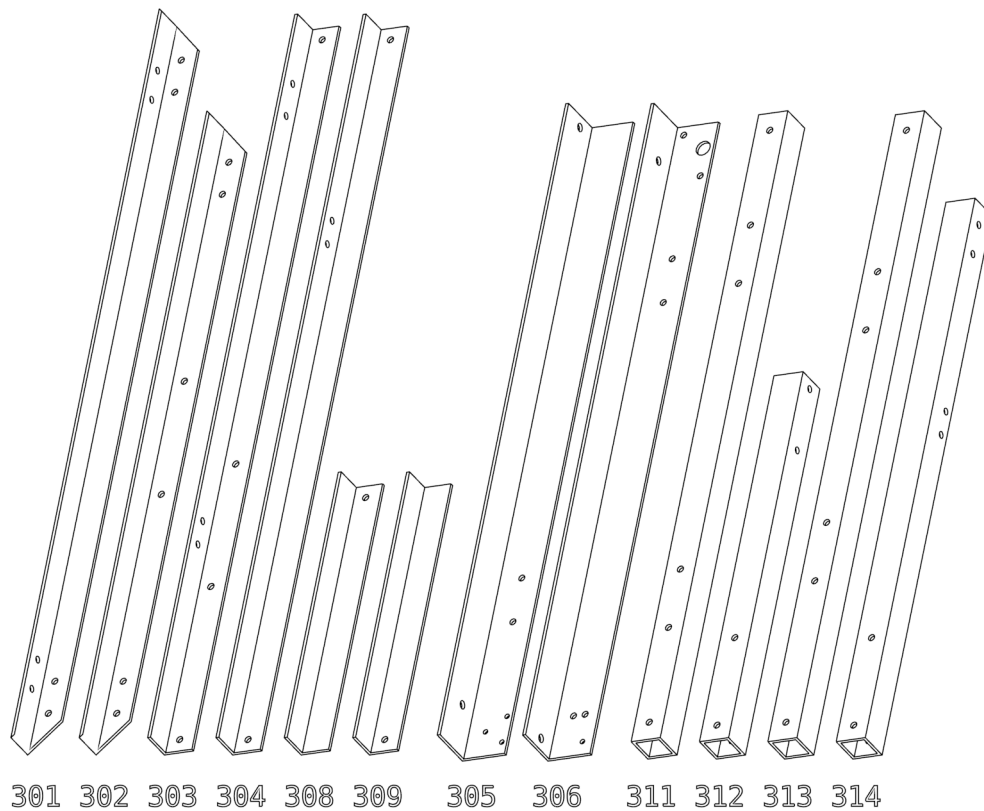
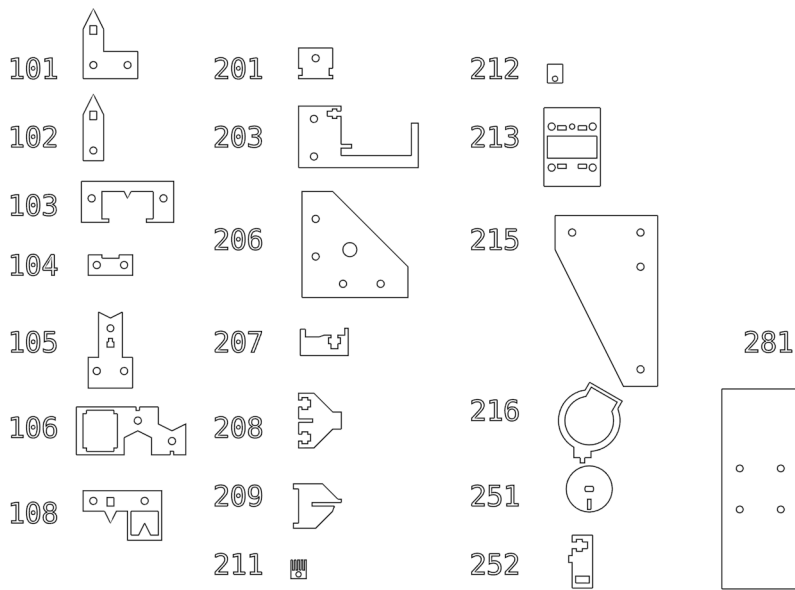
Openhivescale : assembly manual

Pierre Beck / Juan Gonzalez

May 3, 2018

Tools :

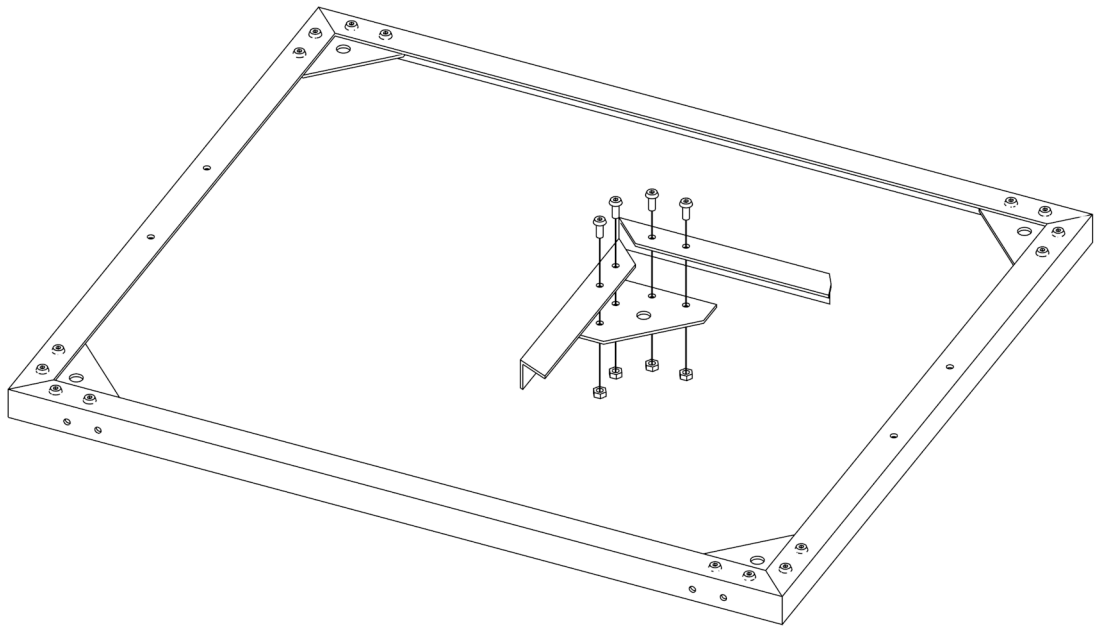
- Hex key 1.5mm, 2mm, 2.5mm, 3mm
- Wrench : 5.5mm, 7mm, 8mm
- Plier, cutting plier, cutter



1

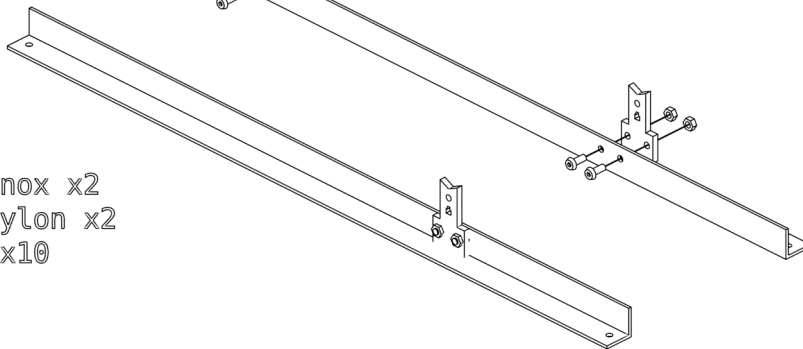
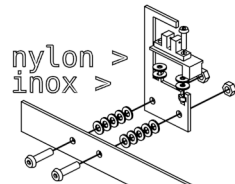
x2 => 3
=> 4

301 x4
302 x4
206 x8
M4x10 x32



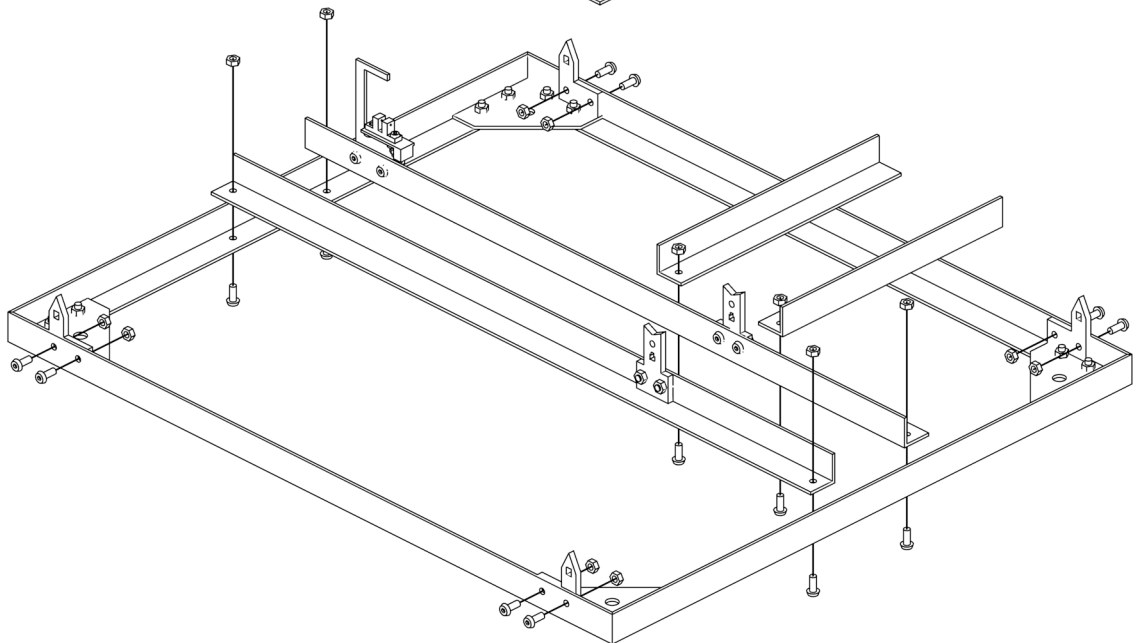
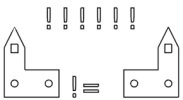
2

303 x1
304 x1
105 x2
203 x1
M4x10 x4
M4x16 x2
M3x12 x1
washer 3x8x0.8 inox x2
washer 3x8x0.8 nylon x2
washer 4x10x0.8 x10



3

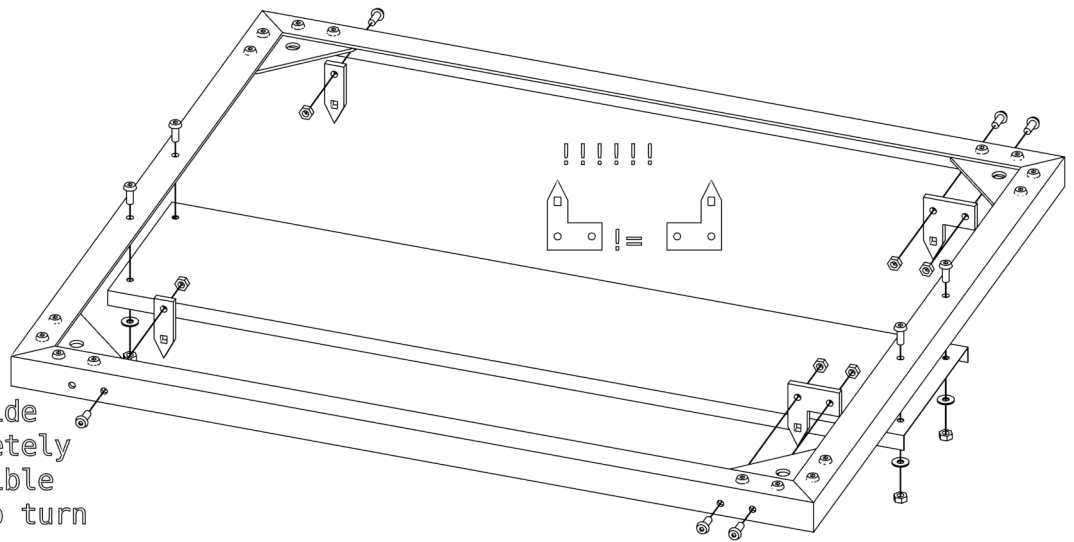
101 x4
M4x10 x14



4

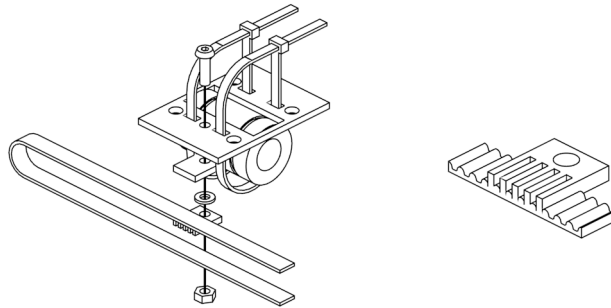
101 x2
102 x2
protection
M4x10+regular nut x8
M4x16+nylstop nut x2
washer M4 x4

nylstop nut on 102 side
do not tighten completely
as few slack as possible
but 102 still free to turn



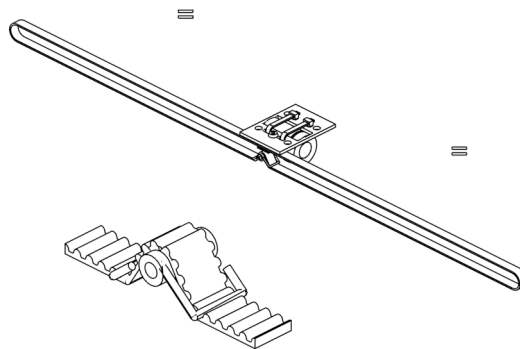
5

211
212
213
2x cable tie
M3x12
3x6x0.8 washer



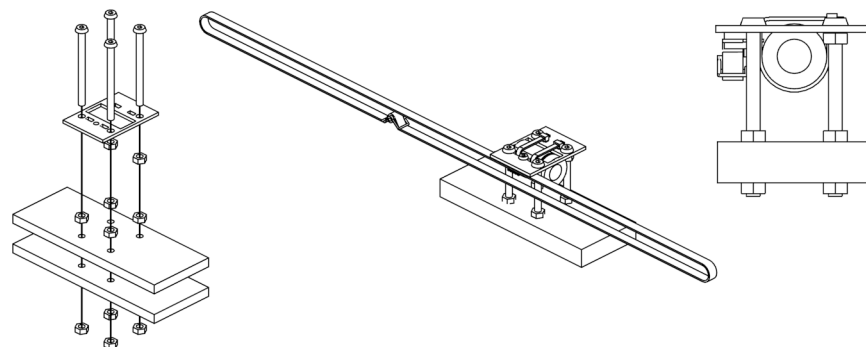
6

tensionner



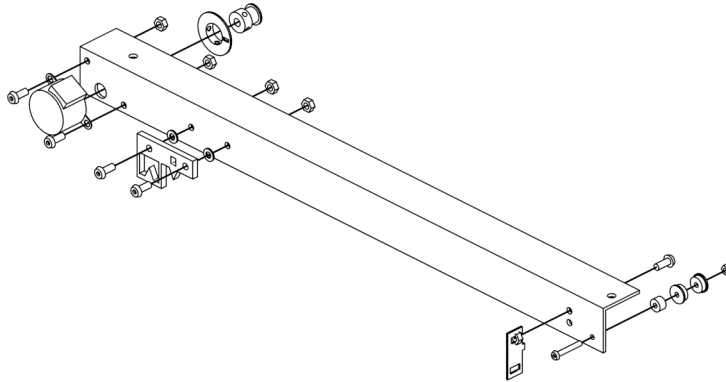
7

281 x2
M4x50 x4
M4 nut x10



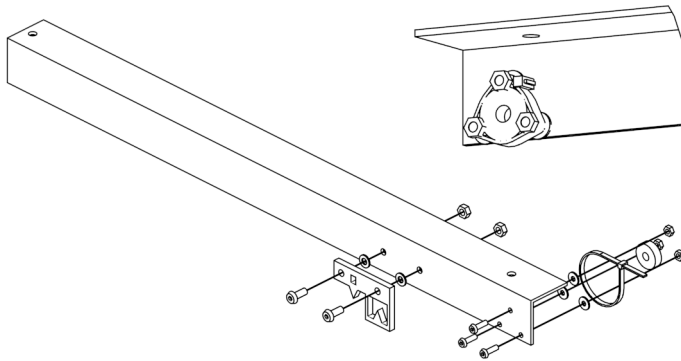
8

108 x1
602 (3d printed)
252
motor
pulley
f623zz x2
M4x10 x5
M4 washer x2
M3x20
spacer 3x8x5



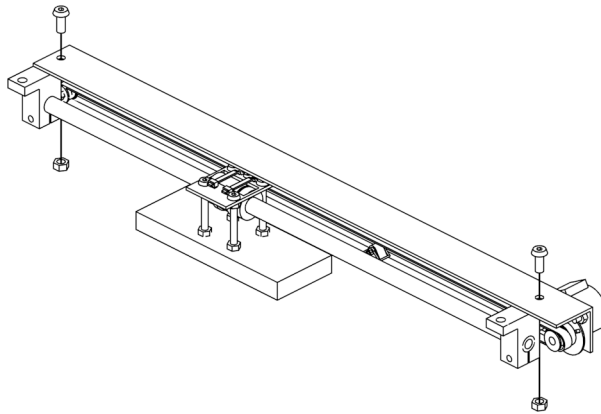
9

108
625zz
cable tie
M4x10 x2
M4 washer x2
M3 washer x3
M3x12 x3



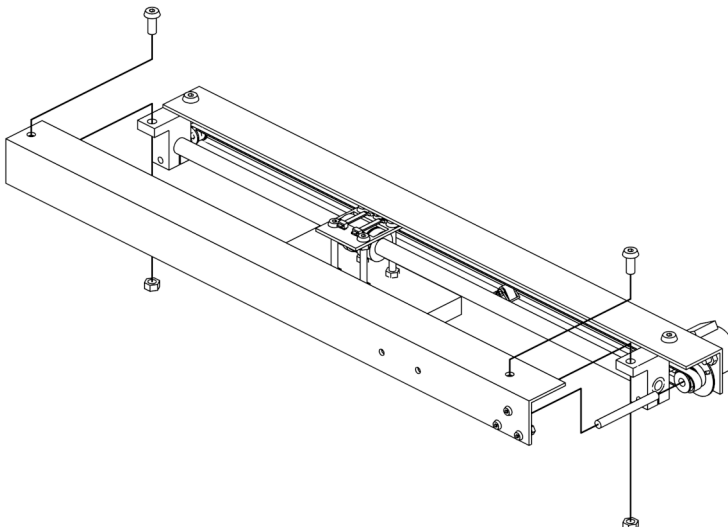
10

M5x12 x2



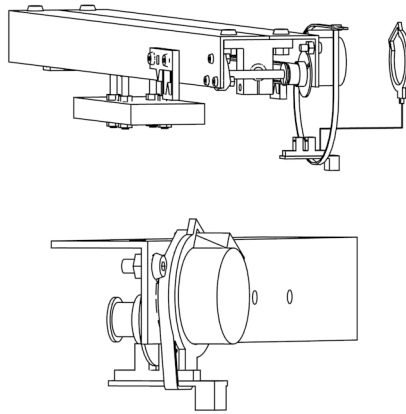
11

M5x12 x2
5mm shaft



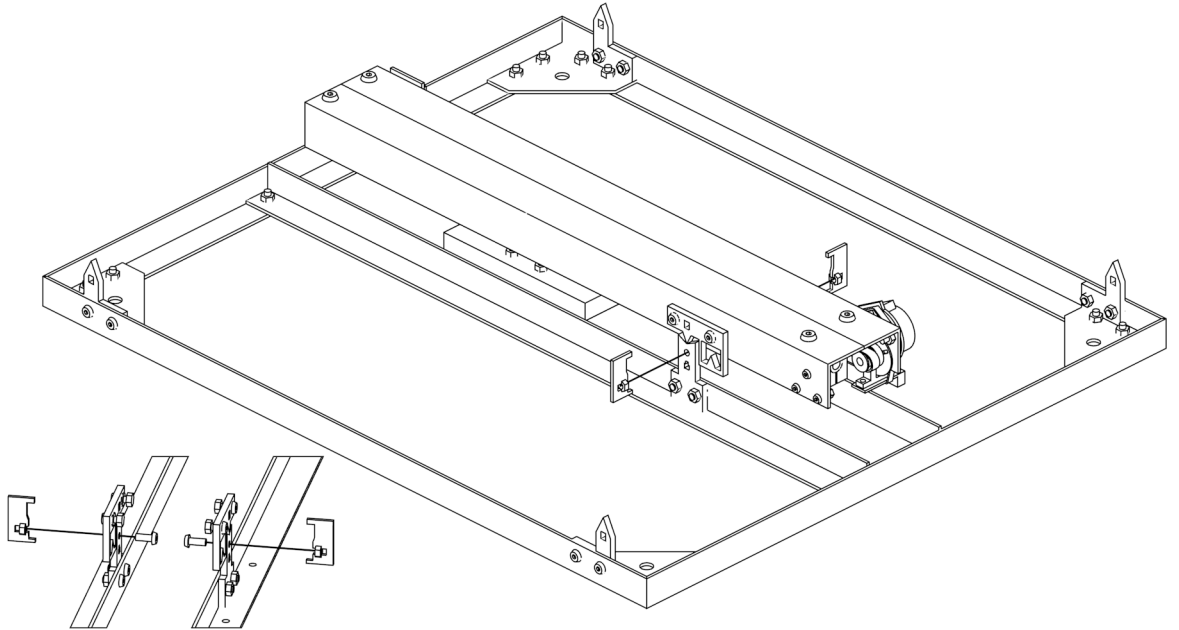
12

216
endstop
cable tie



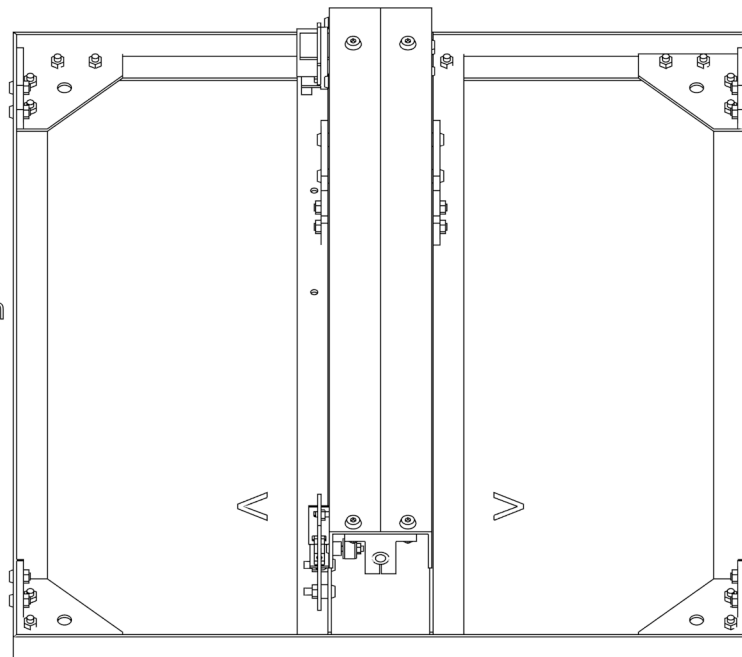
13

207 x2
M4x10 x2



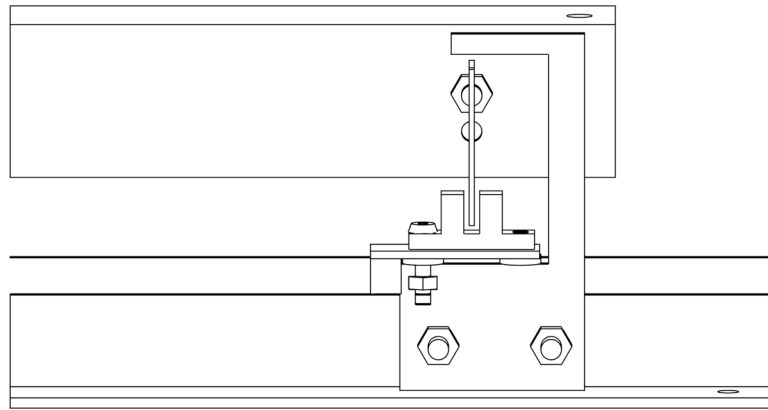
14

loosen 4x M5
check alignment between
beam and bottom frame
tighten 4x M5



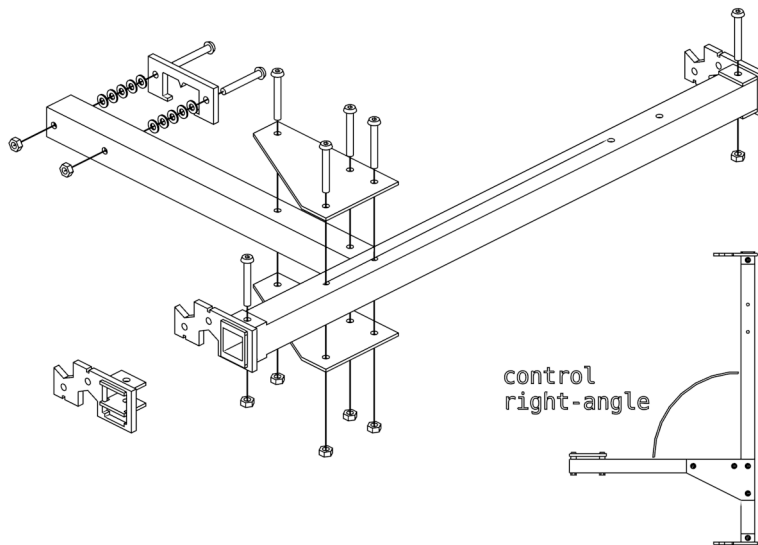
15

check shutter is centered
between endstop fork
bend shutter if necessary



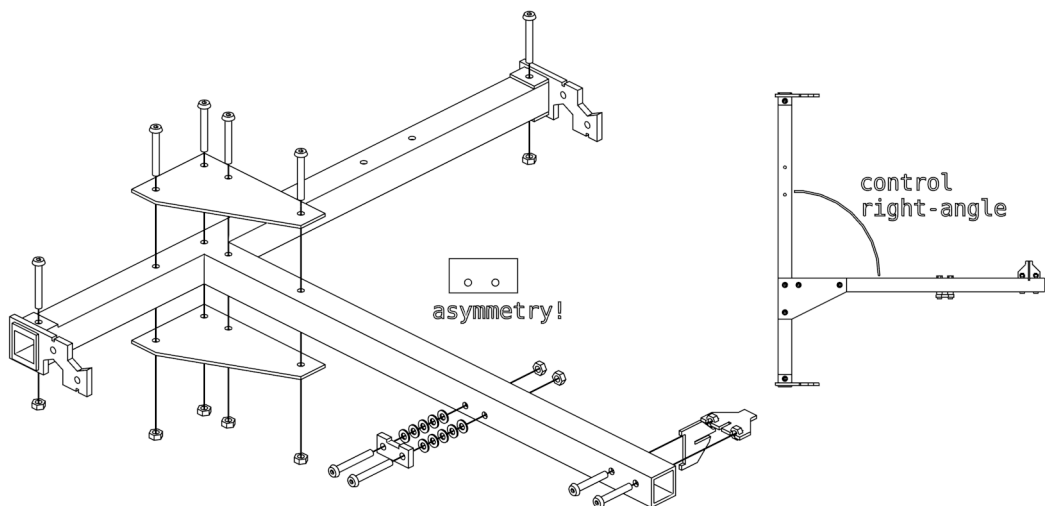
16

103
106 x2
201 x4
215 x2
M4x30 x8
washer M4 x10



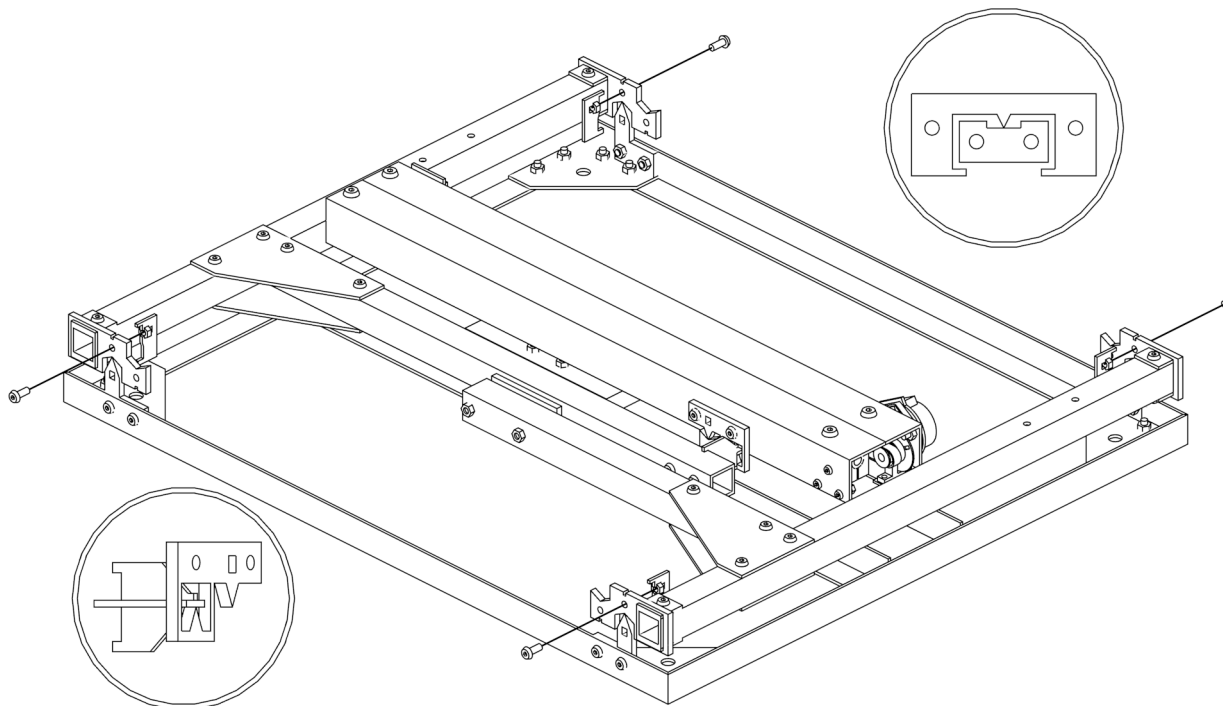
17

104
106 x2
201 x4
208
209
215 x2
M4x30 x8
M4x25 x2
washer M4 x10



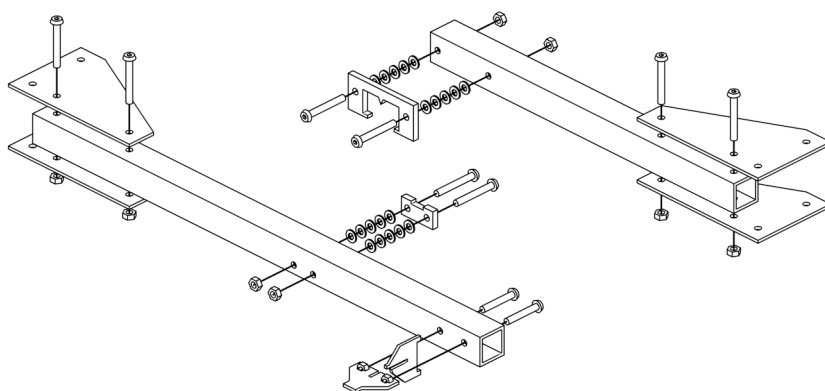
18

207 x4
M4x10 x4



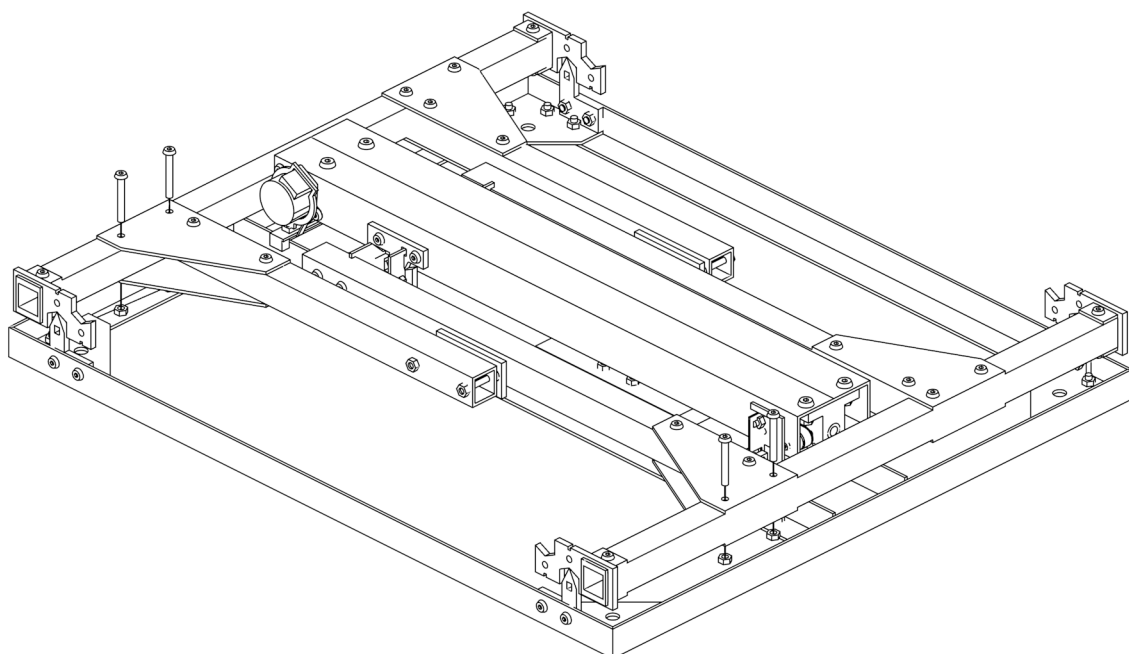
19

103
104
208
209
215 x4
M4x30 x8
M4x25 x2
washer M4 x20



20

M4x30 x4



21

207 x4
M4x10 x4

