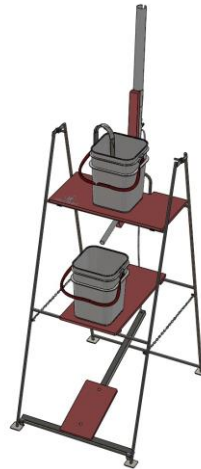


SYPHON HANDWASH STATION V3

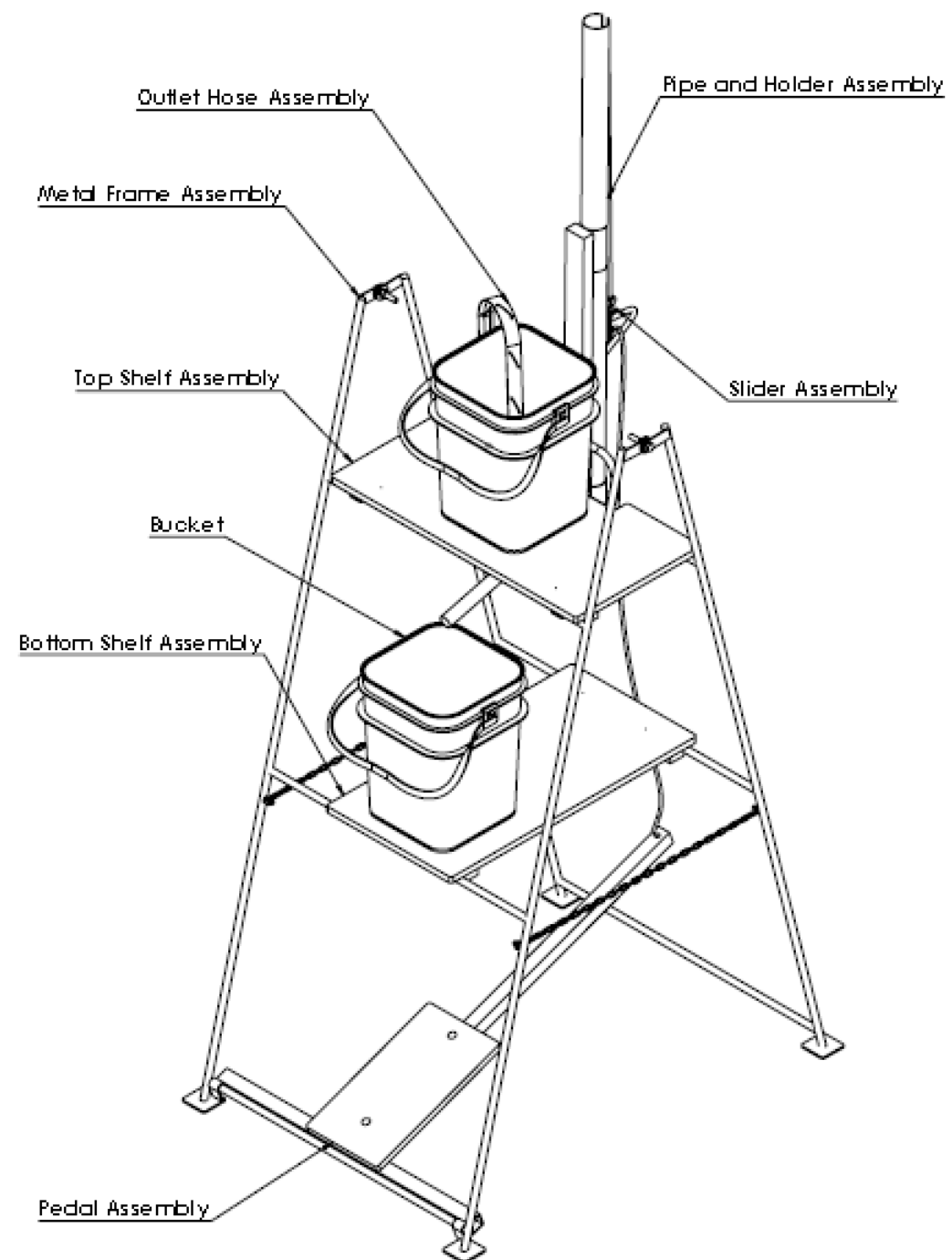
MAKER MANUAL



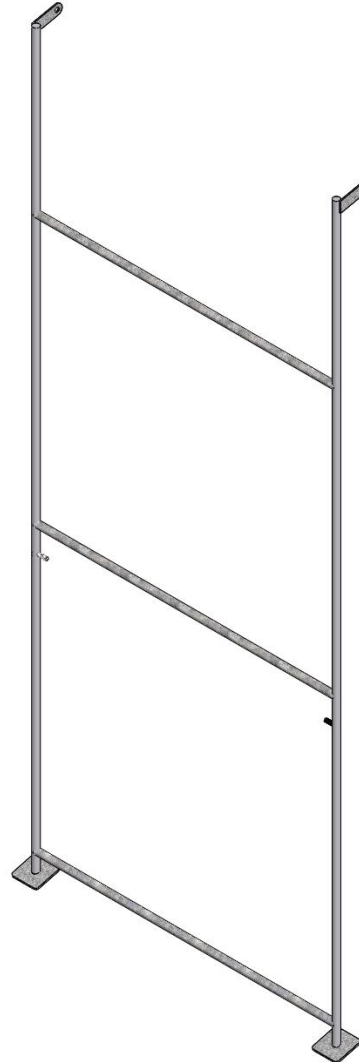
PLEASE USE IN CONJUNCTION WITH THE ENGINEERING DRAWING PACK



FIELD READY



SUB-ASSEMBLY 1: FRONT FRAME



SUB-ASSEMBLY 1: MATERIALS



**Ø12MM REBAR [570] X3
[1460] X2**



SQUARE WASHER [50*50*3] X2



MILD STEEL FLAT BAR [60*20*3] X2



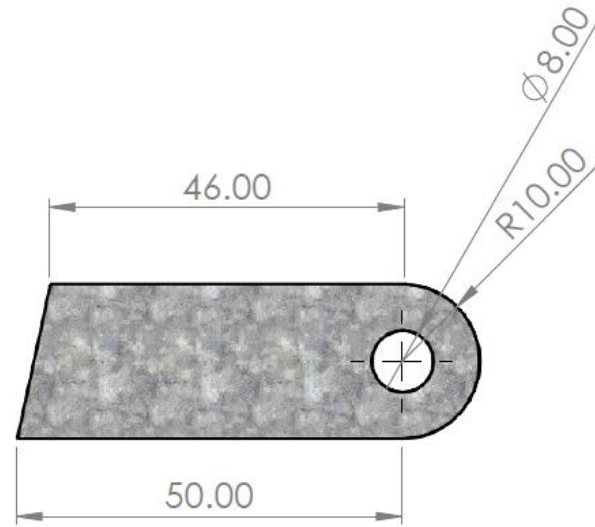
M6 HEX BOLT [20] X2

SUB-ASSEMBLY 1: PARTS



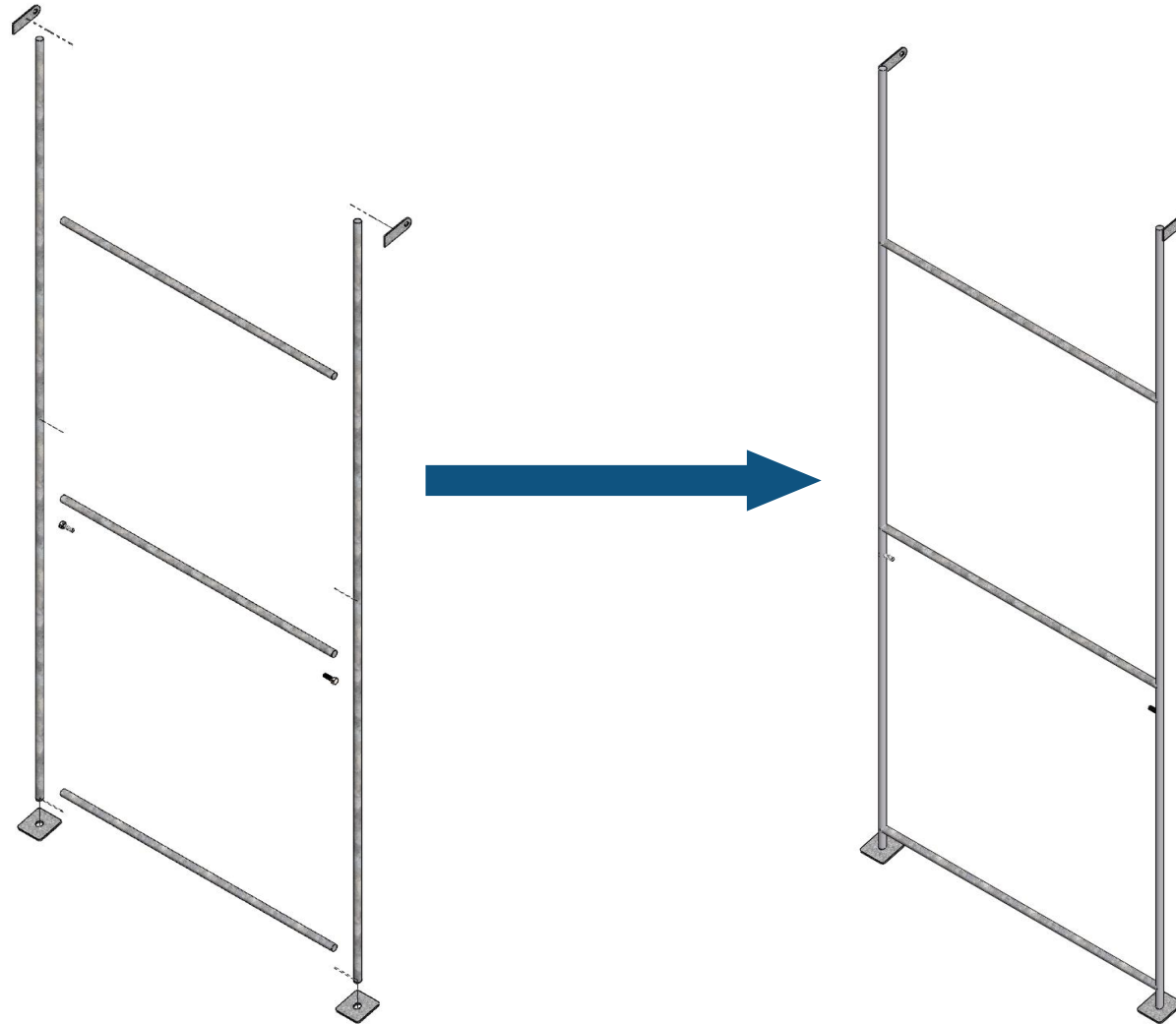
CUT REBARS TO LENGTH (1420MM x2 & 582MM x3)

SUB-ASSEMBLY 1: PARTS



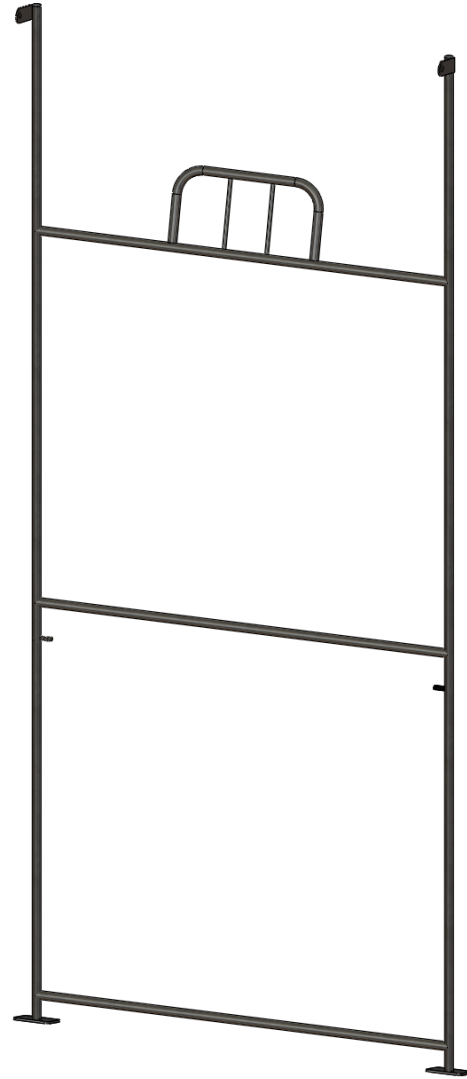
PREPARE FLAT BAR TO THE SHAPE SHOWN.

SUB-ASSEMBLY 1: ASSEMBLY



WELD THE COMPONENTS AS SHOW. REFER TO ENGINEERING DRAWING FOR DETAILS.

SUB-ASSEMBLY 2: BACK FRAME



SUB-ASSEMBLY 2: MATERIALS



**Ø12MM REBAR [570] X3
[1460] X2
[370] X1**



Ø5MM STEEL ROD [110] X2



SQUARE WASHER [50*50*3] X2

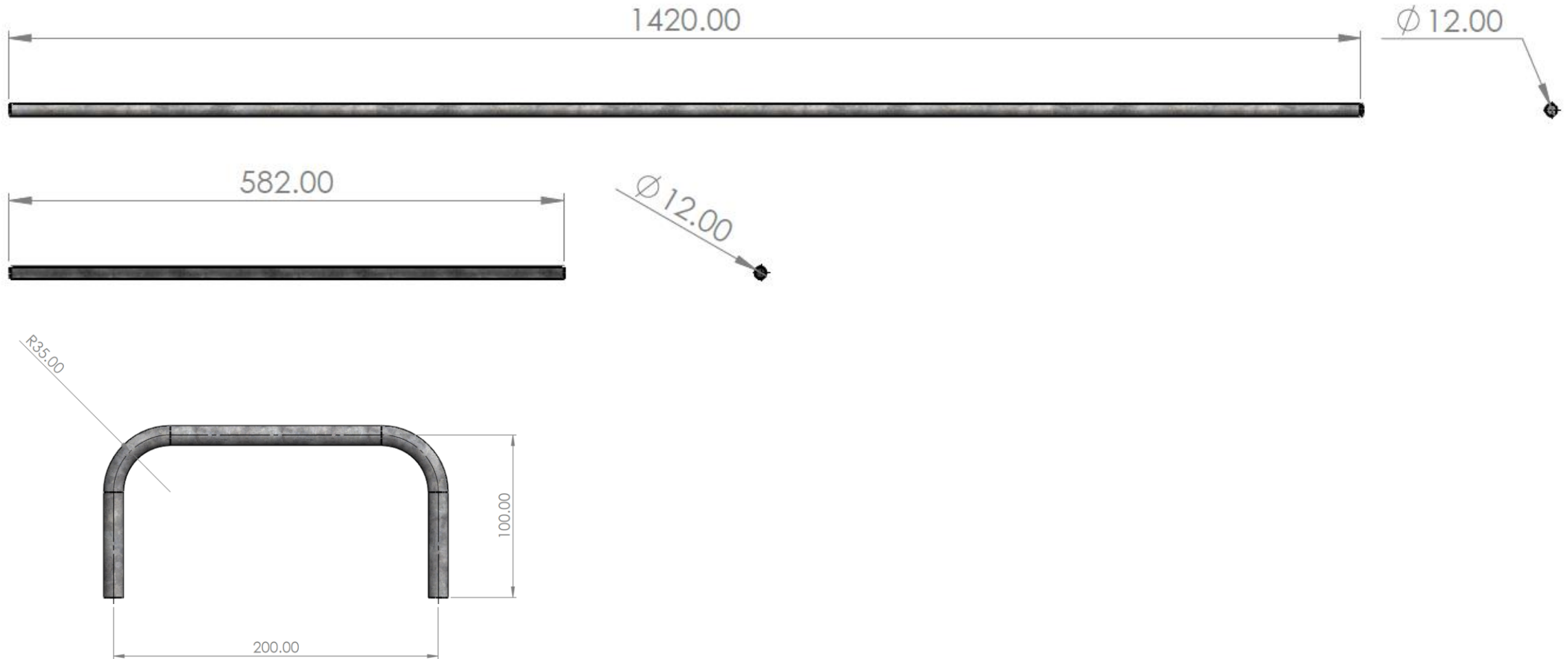


MILD STEEL FLAT BAR [60*20*3] X2



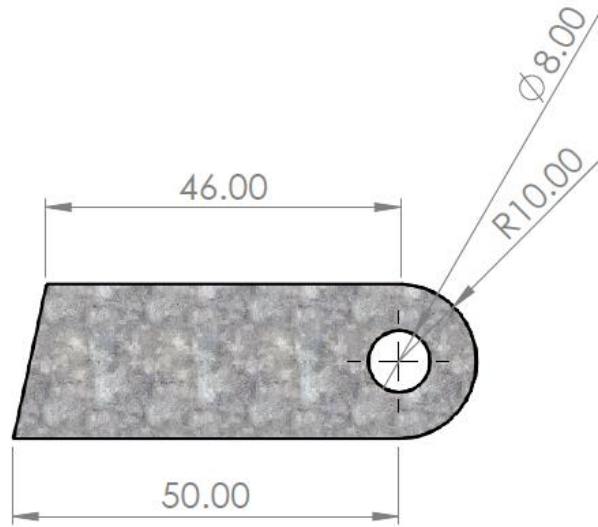
M6 HEX BOLT [20] X2

SUB-ASSEMBLY 2: PARTS



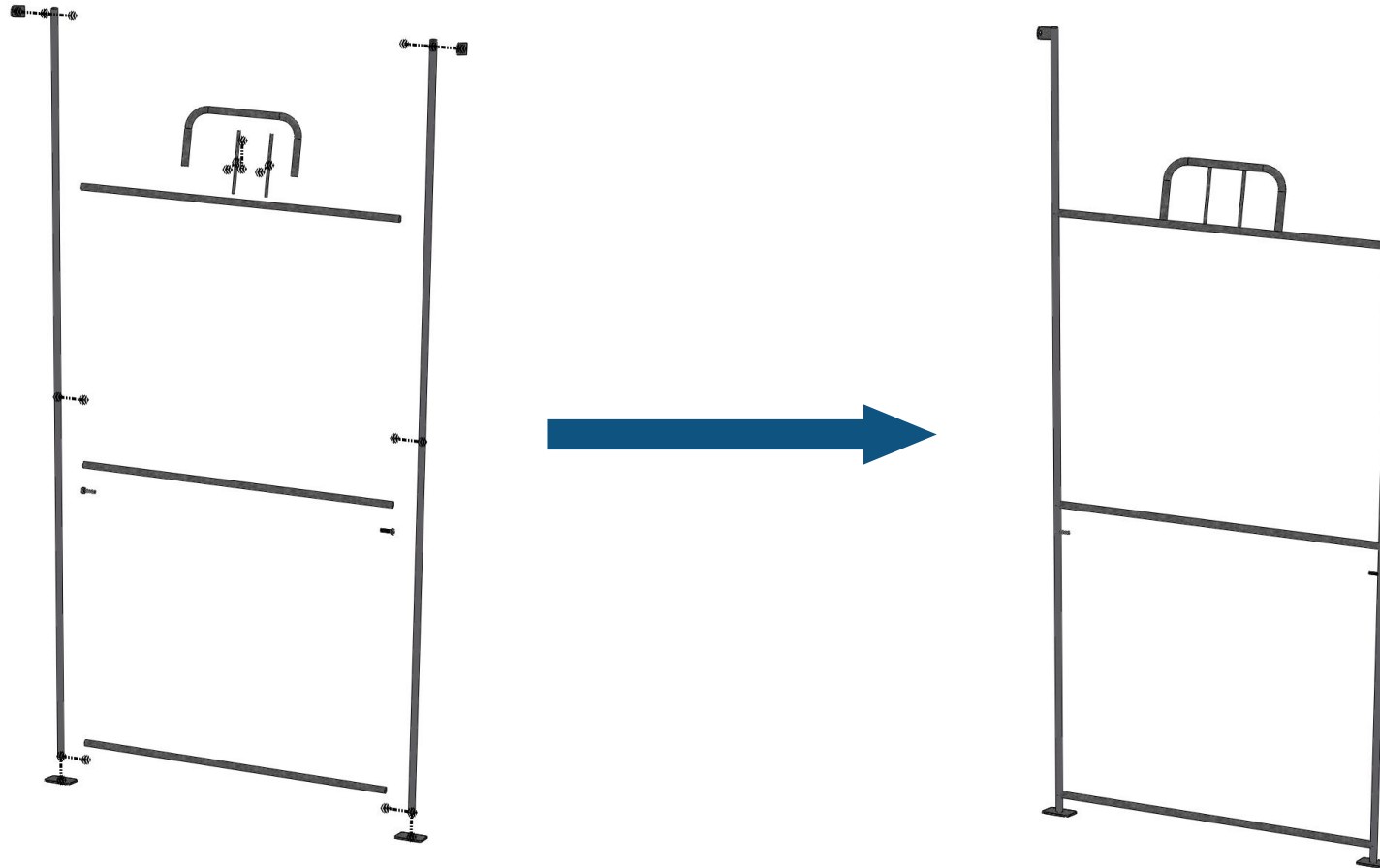
CUT REBARS TO LENGTH (1420MM x2, 582MM x3 & 370MM x1). BEND 370MM REBAR AS SHOWN.

SUB-ASSEMBLY 2: PARTS



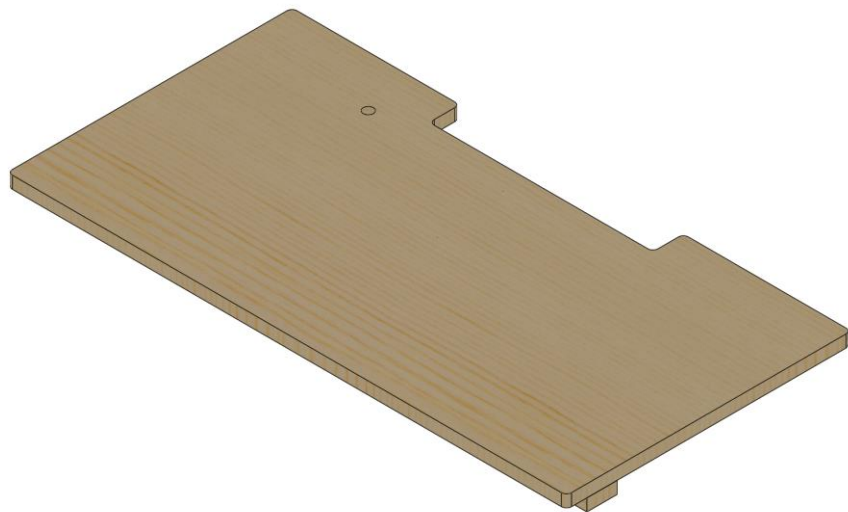
PREPARE FLAT BAR TO THE SHAPE SHOWN. CUT 5MM ROD TO LENGTH.

SUB-ASSEMBLY 2: ASSEMBLY



WELD THE COMPONENTS AS SHOW. REFER TO ENGINEERING DRAWING FOR DETAILS.

SUB-ASSEMBLY 3: SHELVES



SUB-ASSEMBLY 3: MATERIALS

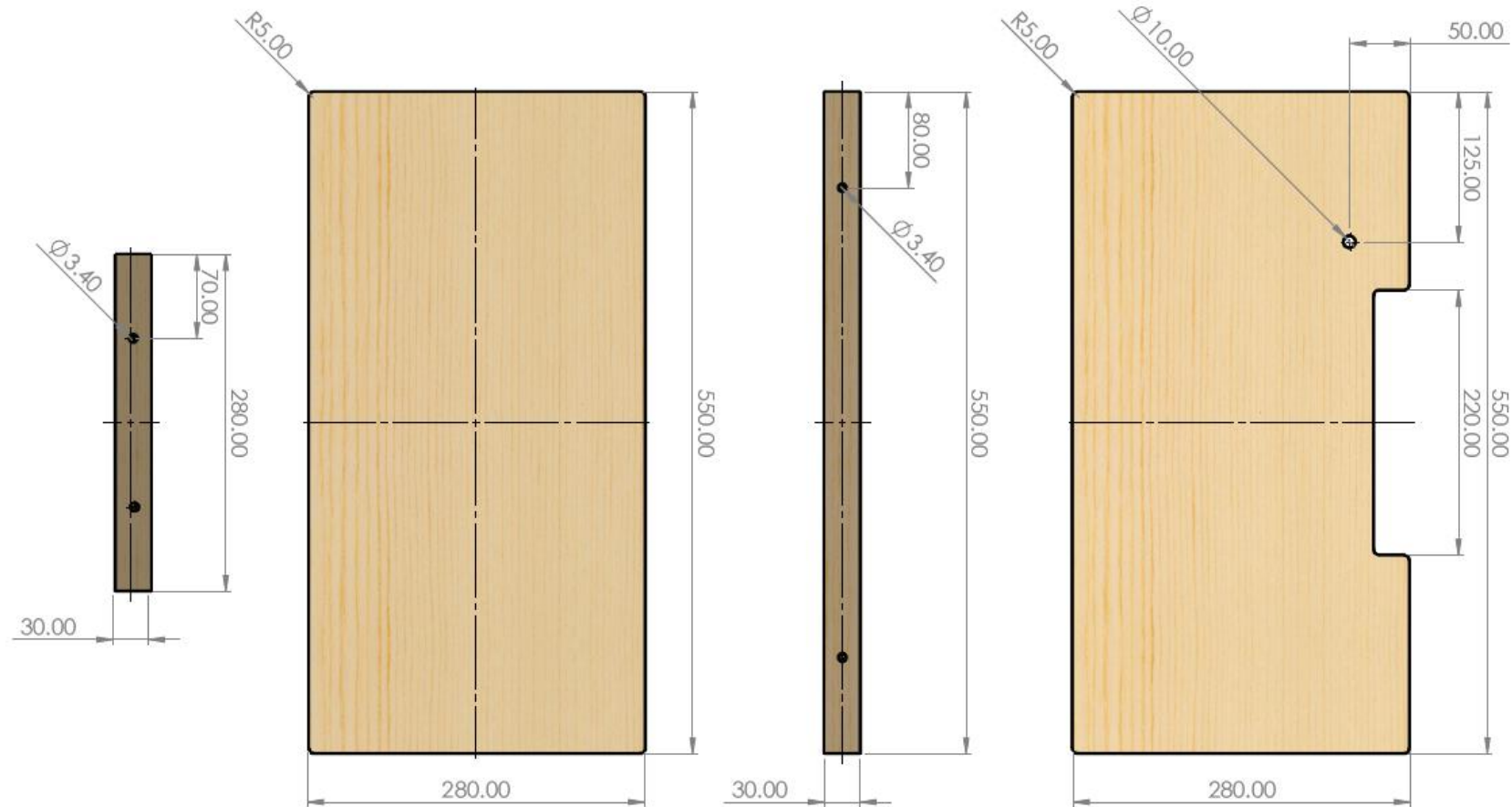


12MM PLYWOOD [550*280] X2
[280*30] X1
[550*30] X1



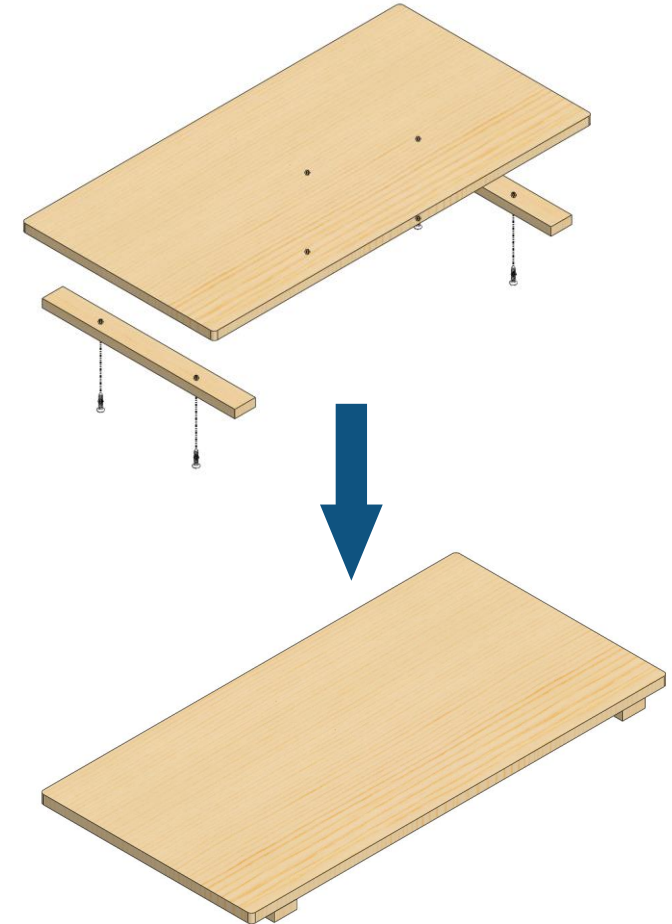
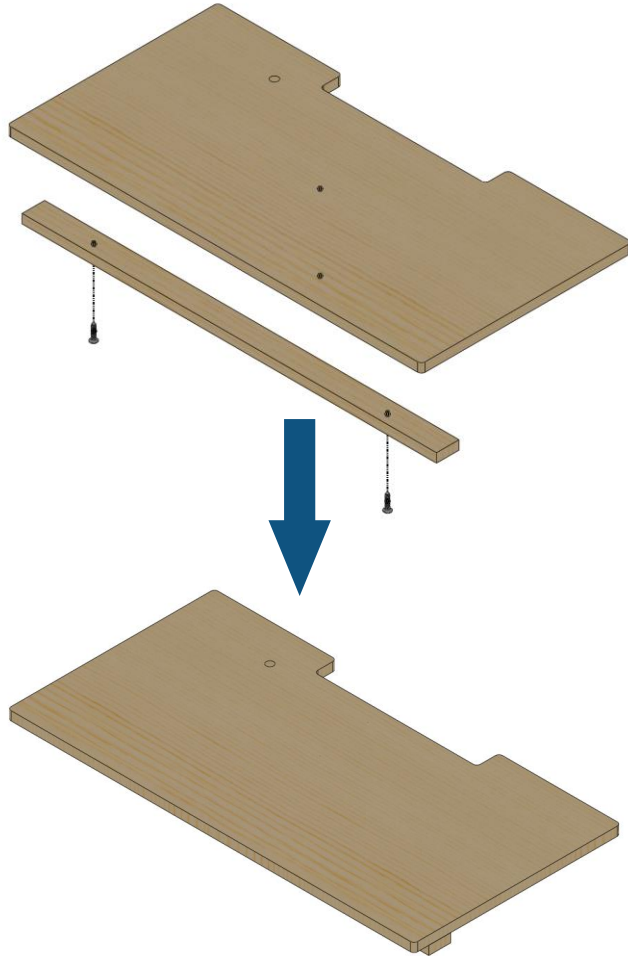
COUNTERSUNK WOOD SCREW [20MM] X6

SUB-ASSEMBLY 3: PARTS



CUT PLYWOOD TO GIVEN DIMENSIONS.

SUB-ASSEMBLY 3: ASSEMBLY



ASSEMBLE THE COMPONENTS AS SHOWN. REFER TO ENGINEERING DRAWING.

SUB-ASSEMBLY 4: PEDAL



SUB-ASSEMBLY 4: MATERIALS



GALV SQUARE TUBE
[20*20*1.6MM]

L = 565MM X1
L = 740MM X1



BOLT & NUT GALV CUP
[M6 X 40] X2



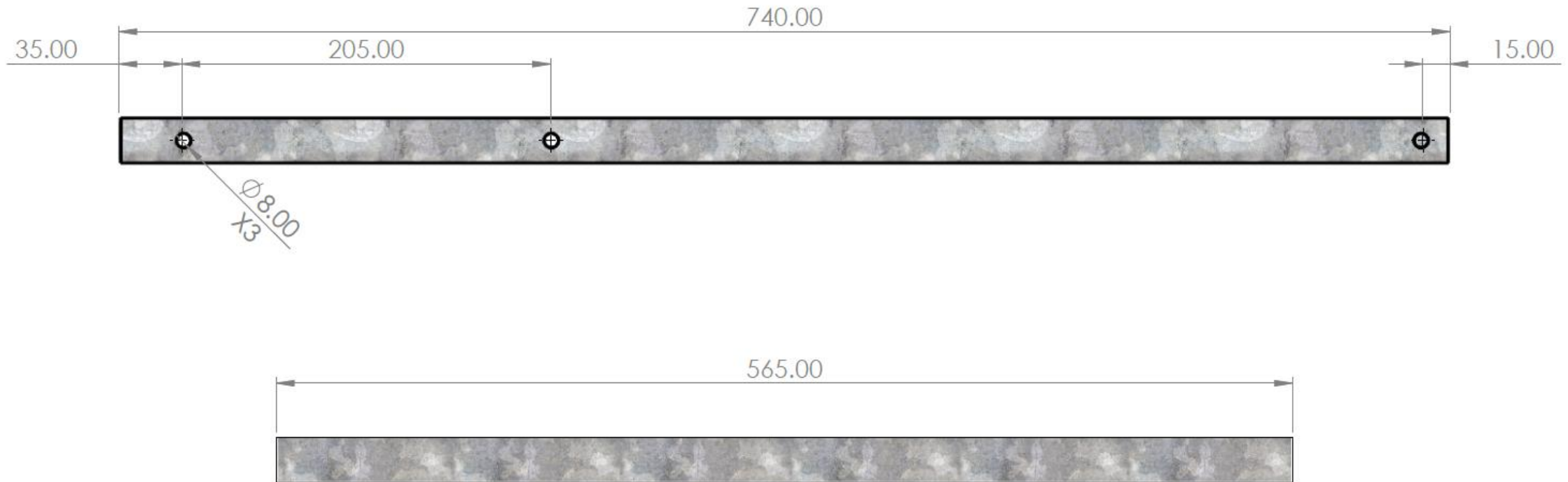
12MM PLYWOOD
[295*160] X1



MILD STEEL FLAT
[20 X 3MM]

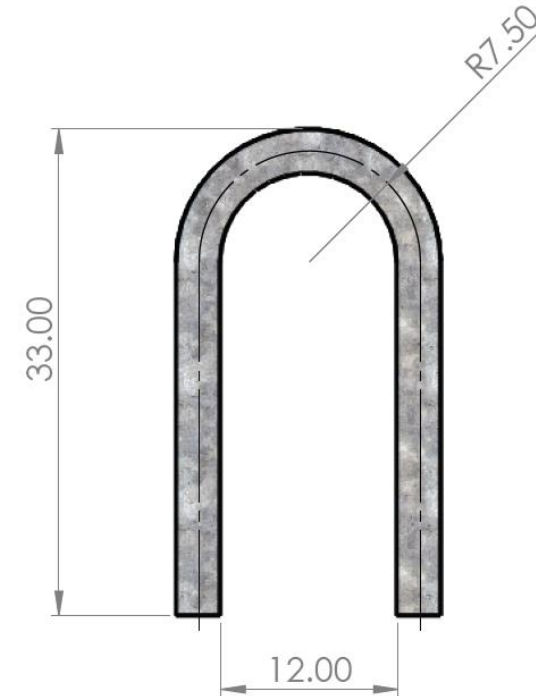
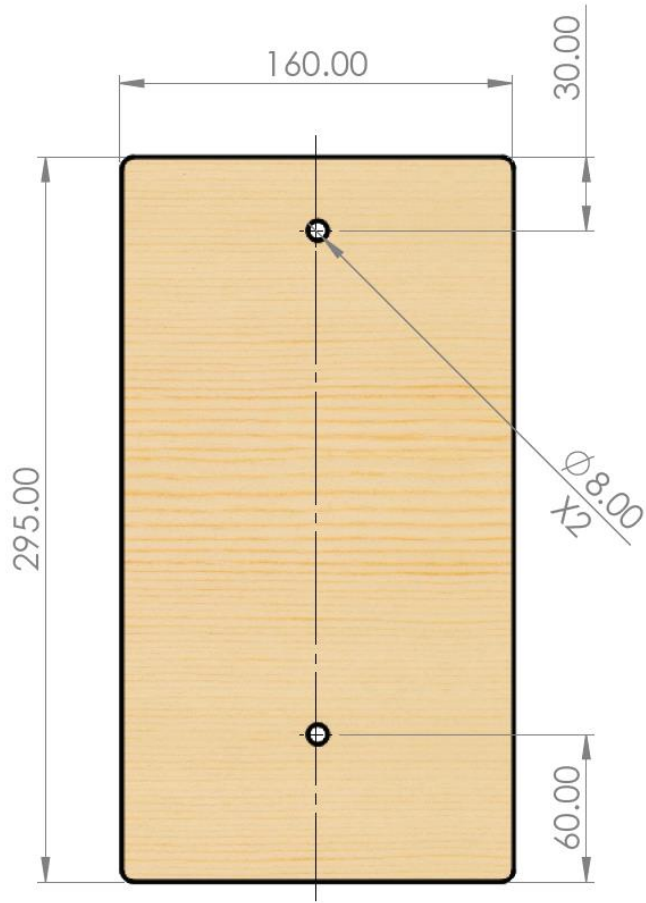
L = 80MM X2

SUB-ASSEMBLY 4: PARTS



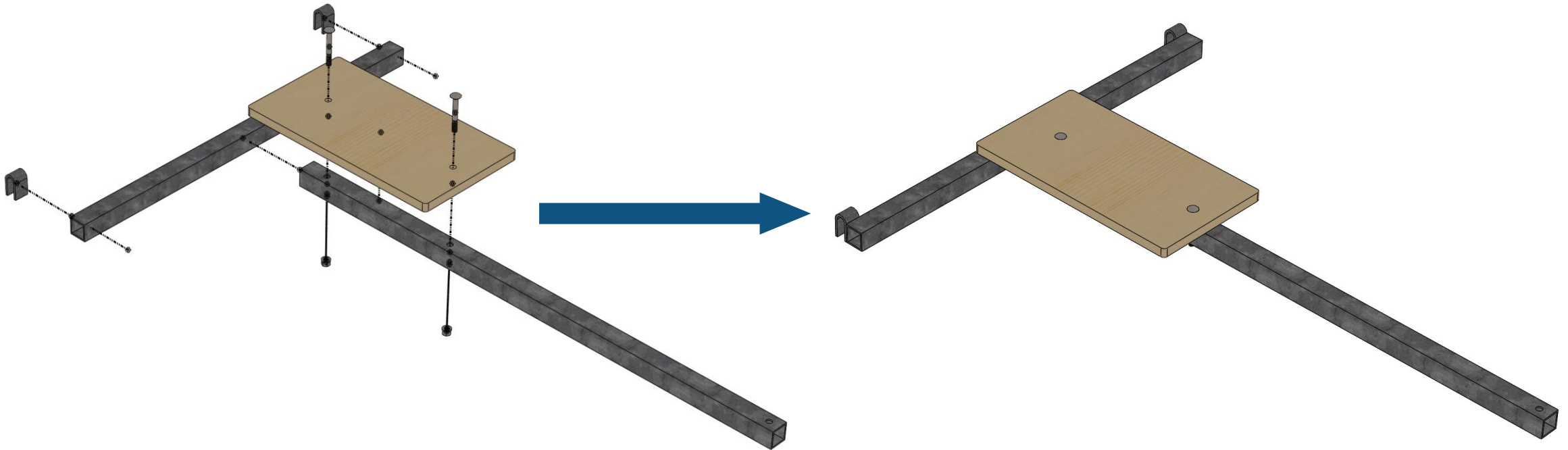
CUT TUBES TO LENGTH.

SUB-ASSEMBLY 4: PARTS



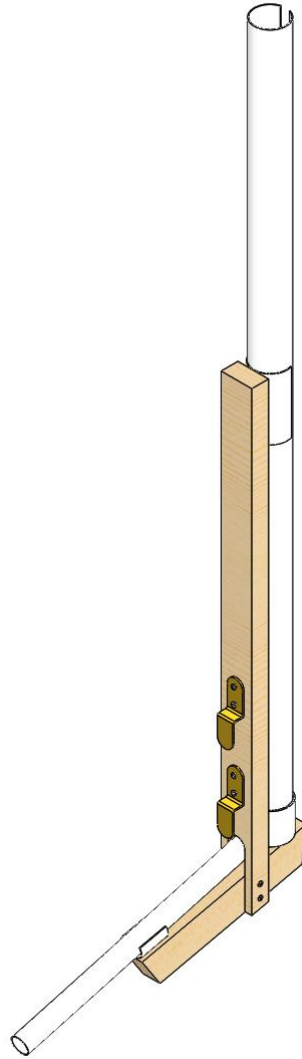
CUT PLY TO DIMENSIONS SHOWN. DRILL HOLES AS SHOWN. CUT AND BEND FLAT BAR.

SUB-ASSEMBLY 4: ASSEMBLY



ASSEMBLE PARTS AS SHOWN. WELD METAL COMPONENTS.

SUB-ASSEMBLY 5: PIPE & PIPE HOLDER



SUB-ASSEMBLY 5: MATERIALS



PVC PRESSURE PIPE

Ø32MM

L = 920MM X1

L = 80MM X1

Ø15MM

L = 320MM X1

L = 35MM X1



PVC PRESSURE END CAP (PLAIN) 32MM

X1



2in X 1in TIMBER

L = 595MM X1

L = 220MM X1



20MM COUNTERSUNK WOOD SCREWS

X10

SUB-ASSEMBLY 5: MATERIALS

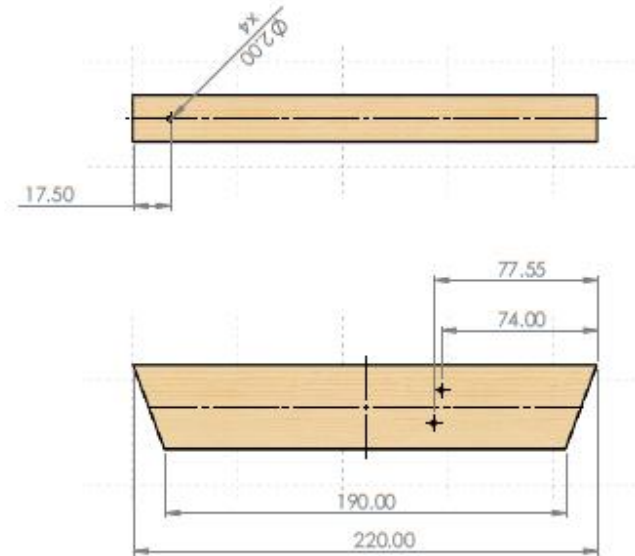
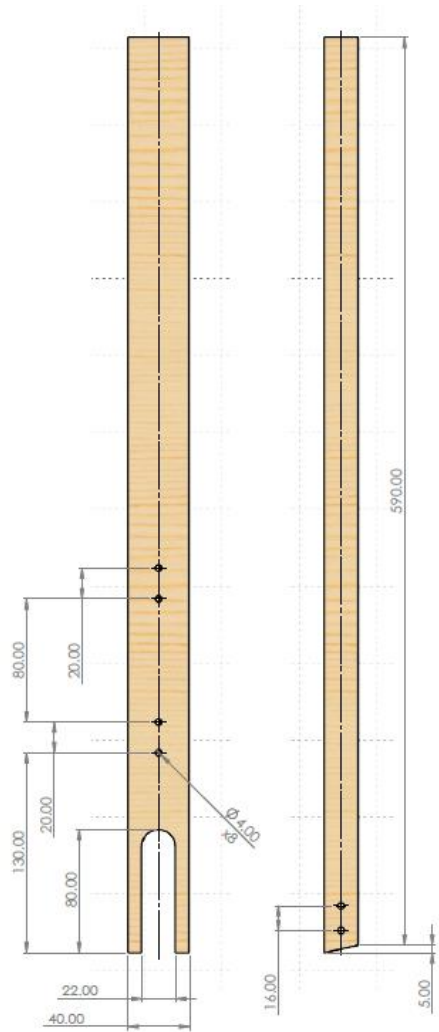


PVC GLUE 100ML X1



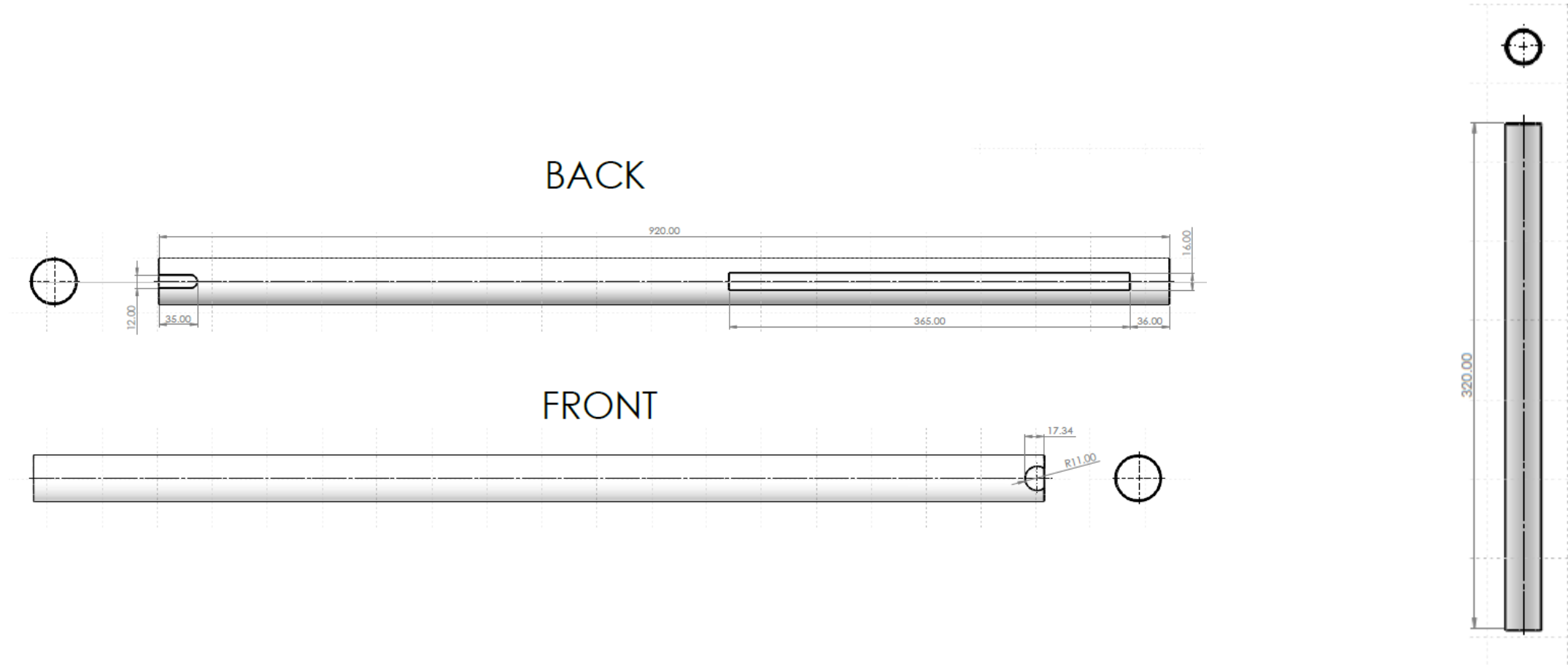
2in L-BRACKETS X2

SUB-ASSEMBLY 5: PARTS



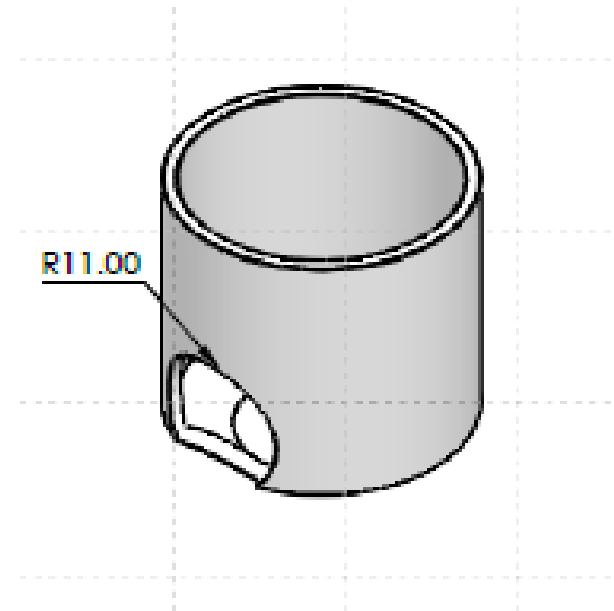
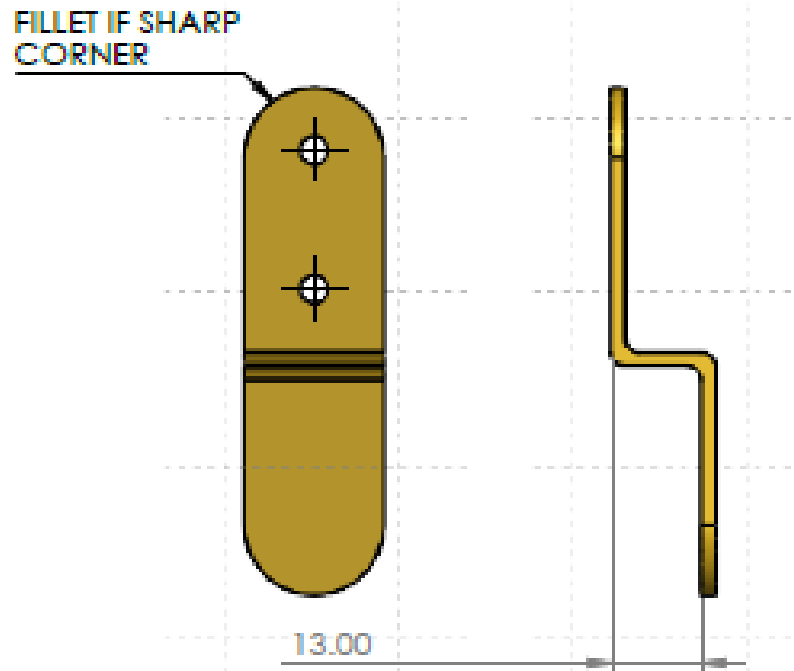
CUT 2IN X 1IN TIMBER AS SHOWN.

SUB-ASSEMBLY 5: PARTS



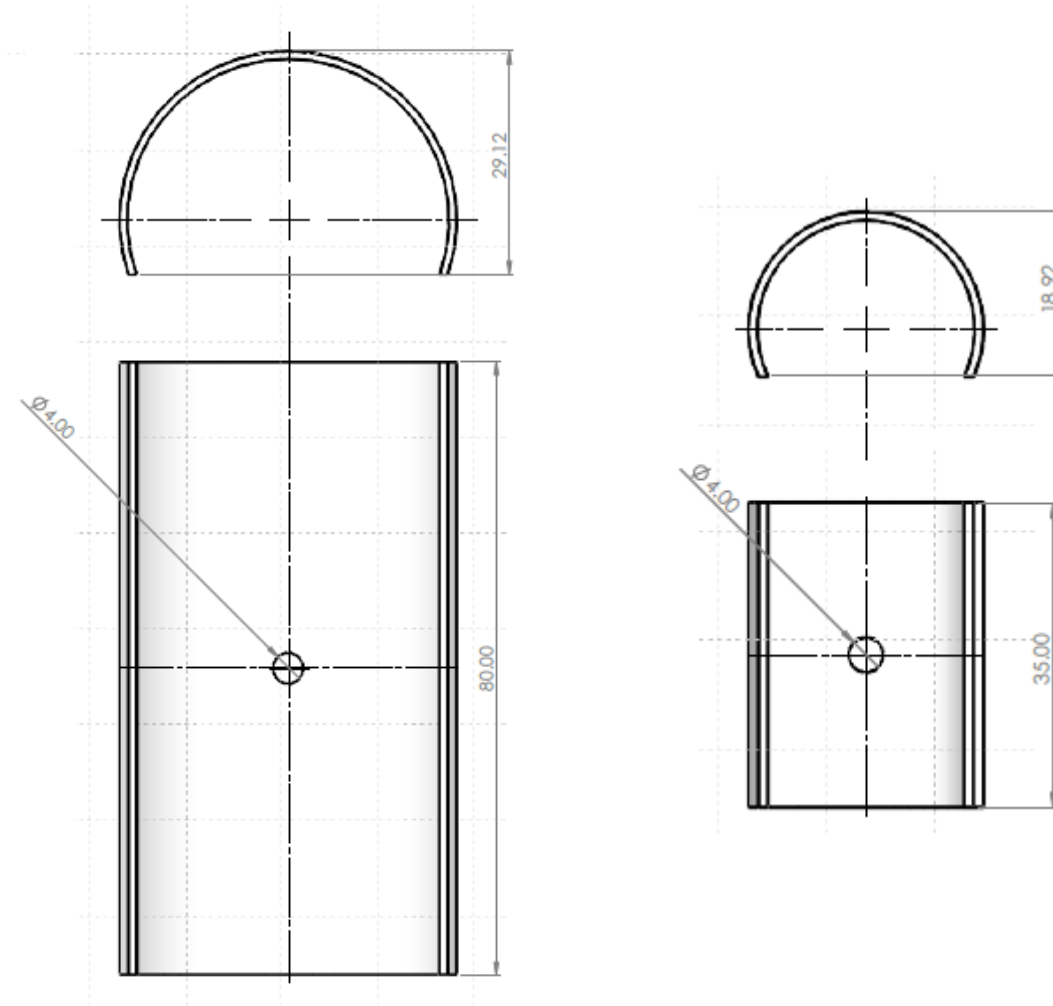
CUT 32MM PIPE AND MAKE GROVES AS SHOWN. CUT 15MM PIPE.

SUB-ASSEMBLY 5: PARTS



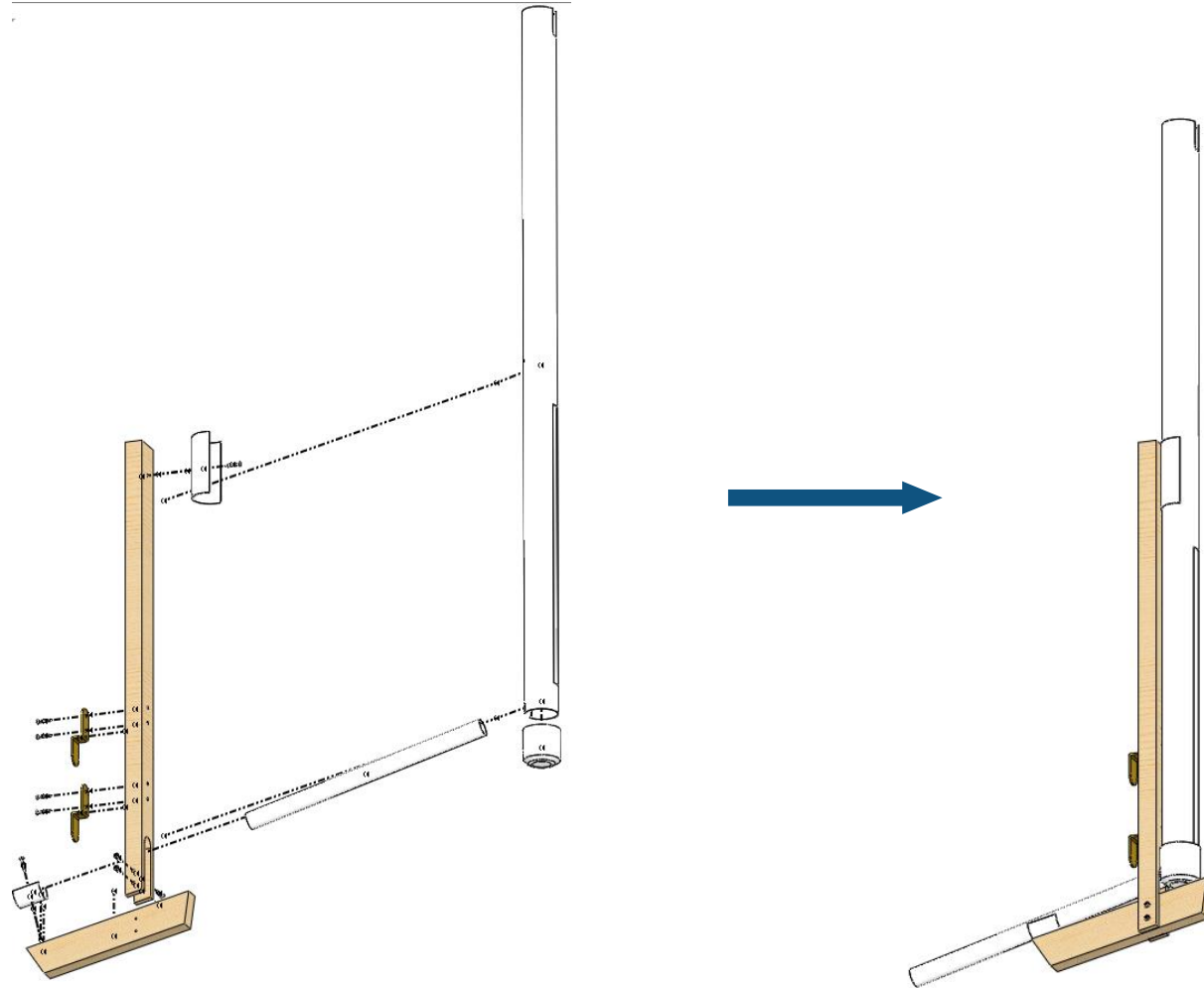
BEND L-BRACKET AS SHOWN. DRILL HOLE AT POSITION SHOWN ON THE END CAP.

SUB-ASSEMBLY 5: ASSEMBLY



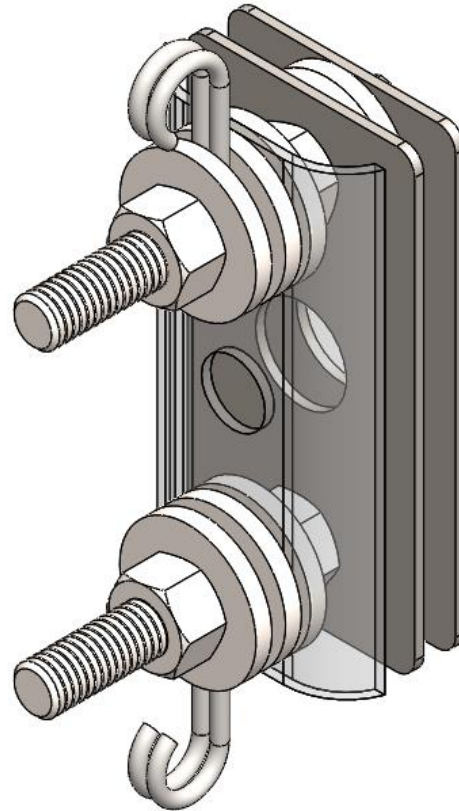
CUT 32MM & 15MM PIPES AND SLICE PORTION AS SHOWN. DRILL HOLE AT CENTERS.

SUB-ASSEMBLY 5: ASSEMBLY



ASSEMBLE COMPONENTS AS SHOWN. USE PVC GLUE AT PIPE JOINTS. REFER TO ENGINEERING DRAWING FOR DIMENSIONAL DETAILS.

SUB-ASSEMBLY 6: SLIDER



SUB-ASSEMBLY 6: MATERIAL



FLAT IRON
[13G]
50MM*25MM
(Roofing
straps are a
good
substitute)

X2



CLEAR
HOSE
[Ø32*3MM]
L = 50MM

X1



M6 HEX
BOLT
[40MM]

X2



M6 X 3MM
SS FLAT
WASHER

X1

SUB-ASSEMBLY 6: MATERIAL



**M6 HEX
NUTS**

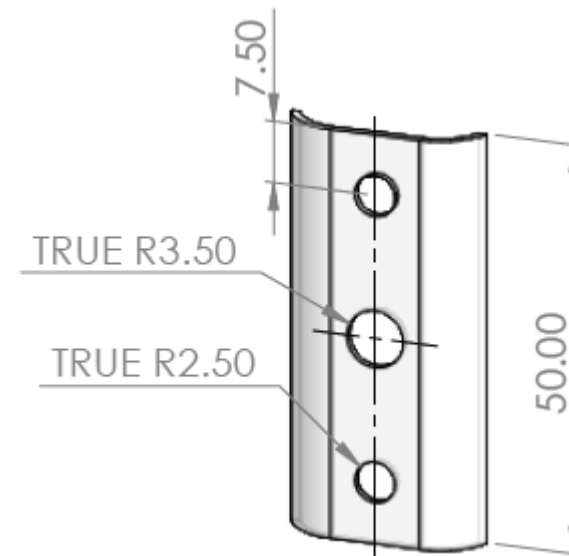
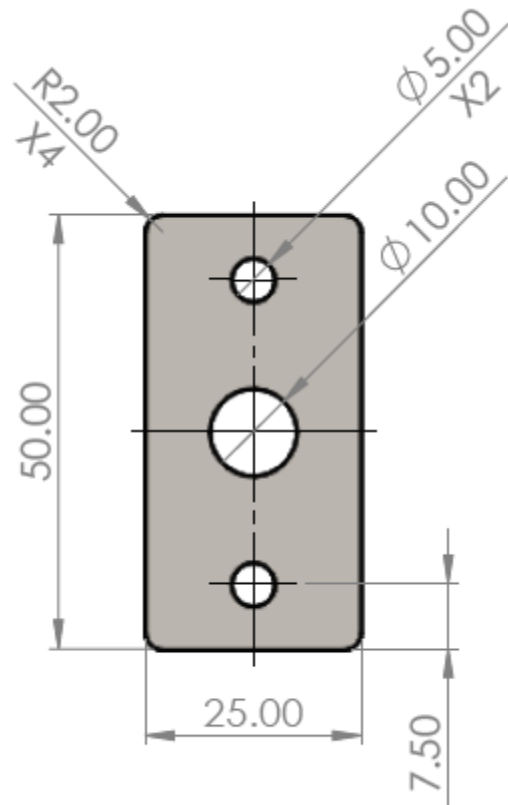
X4



**DOUBLE
HOOK LINK
CHAIN**

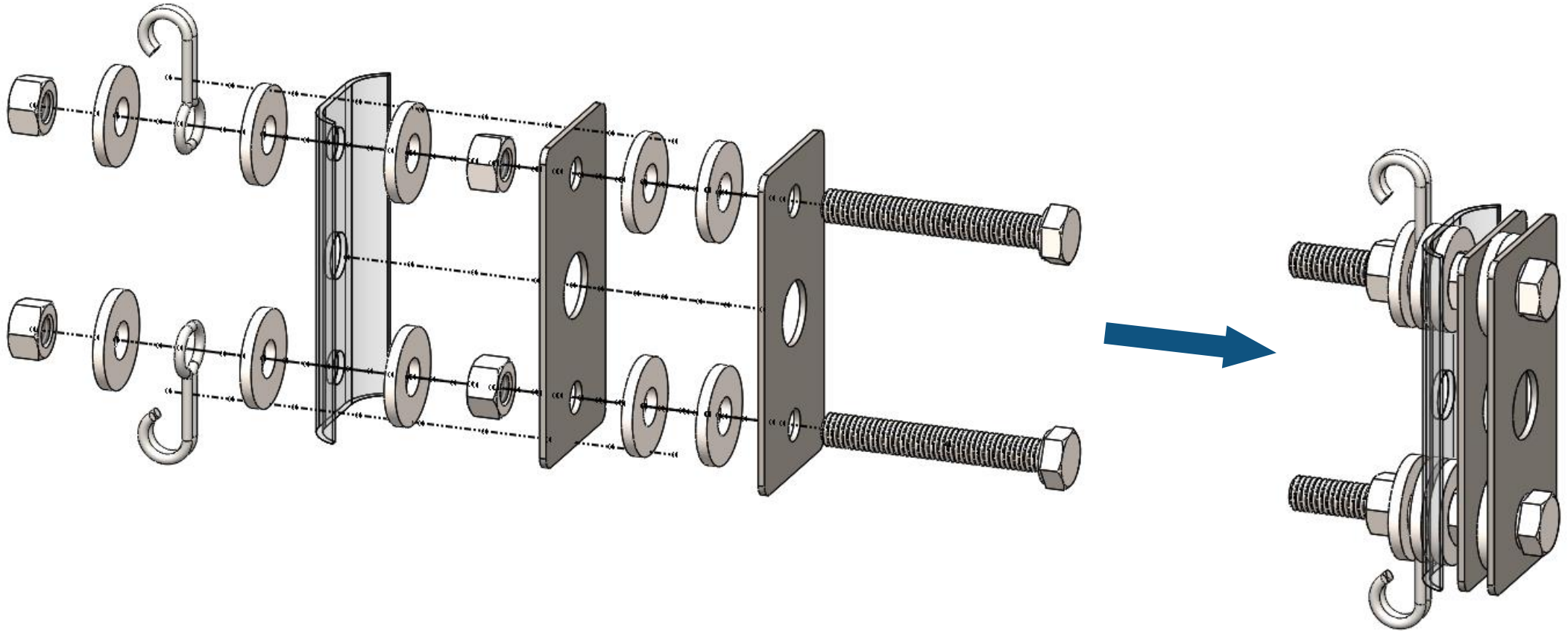
**X2
LINKS**

SUB-ASSEMBLY 6: PARTS



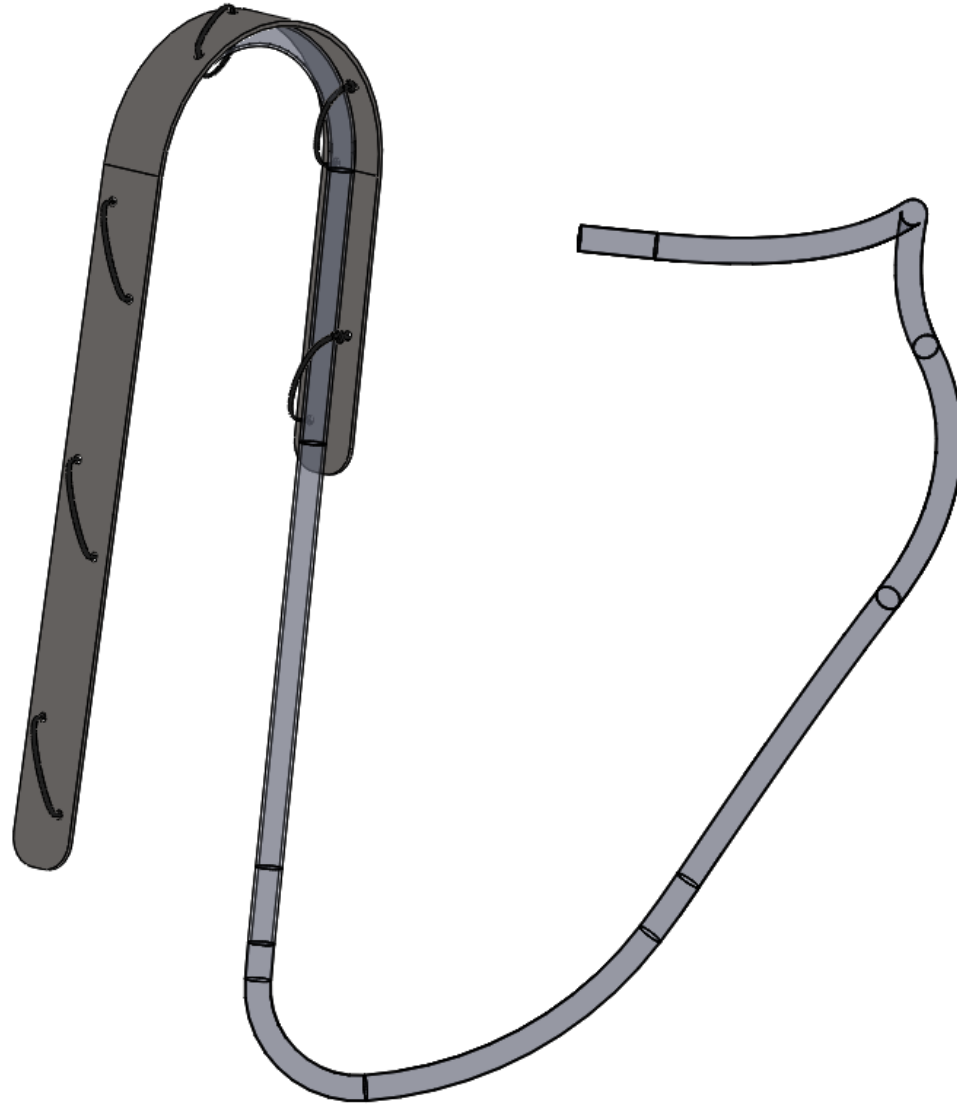
CUT FLAT IRON STRIP TO THE SHAPE SHOWN ON THE LEFT. CUT A 50MM PIECE OF TUBE. SLICE OPEN THE TUBE. MAKE HOLES AS SHOWN.

SUB-ASSEMBLY 6: ASSEMBLY



ASSEMBLE THE SLIDER AS SHOWN.

SUB-ASSEMBLY 7: OUTLET HOSE



SUB-ASSEMBLY 7: MATERIALS



FLAT IRON
[13G]
110MM*25MM
(Roofing
straps are a
good
substitute)

X2



CABLE TIES
[2.5*100MM]

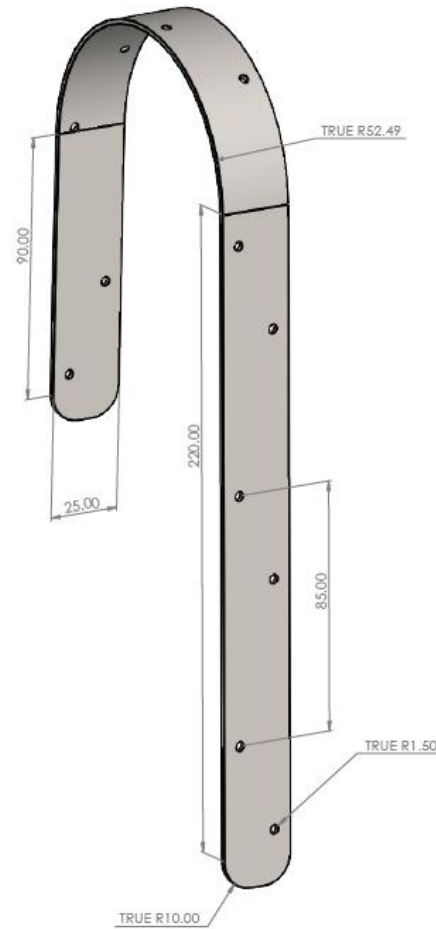
X6



CLEAR
HOSE
[Ø20*3MM]
L = 1M

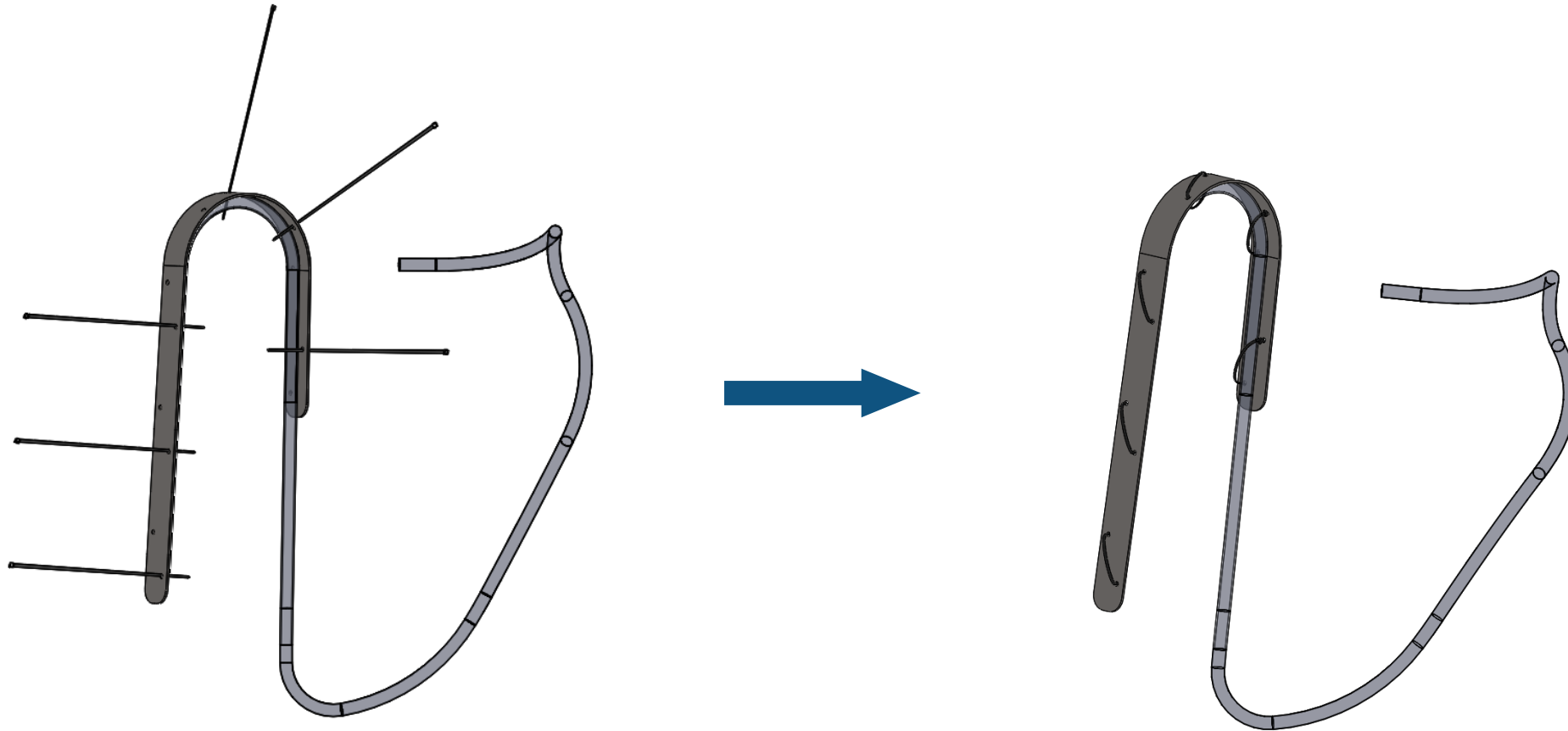
X1

SUB-ASSEMBLY 7: PARTS



CUT, BEND AND DRILL HOLES AS SHOWN ON THE FLAT IRON PIECE.

SUB-ASSEMBLY 7: ASSEMBLY



ALIGN THE HOSE ALONG THE INSIDE OF THE BENDED FLAT BAR. SECURE IN PLACE WITH CABLE TIES AS SHOWN.

ASSEMBLY: MATERIALS



**20L
BUCKET** x2



**8MM
SHOCK
CORD** x1
L = 550MM



**NYLON
ROPE**
L = 1.2M



**2MM
SINGLE
LINK
CHAIN** x2
L= 535MM



**MILD
STEEL
FLAT
BAR** x4
[20*3*55]

ASSEMBLY: MATERIALS



**M8 HEX
BOLT
[20MM] X2**



**M8 HEX
NUTS X2**

**M6 HEX
NUTS X4**



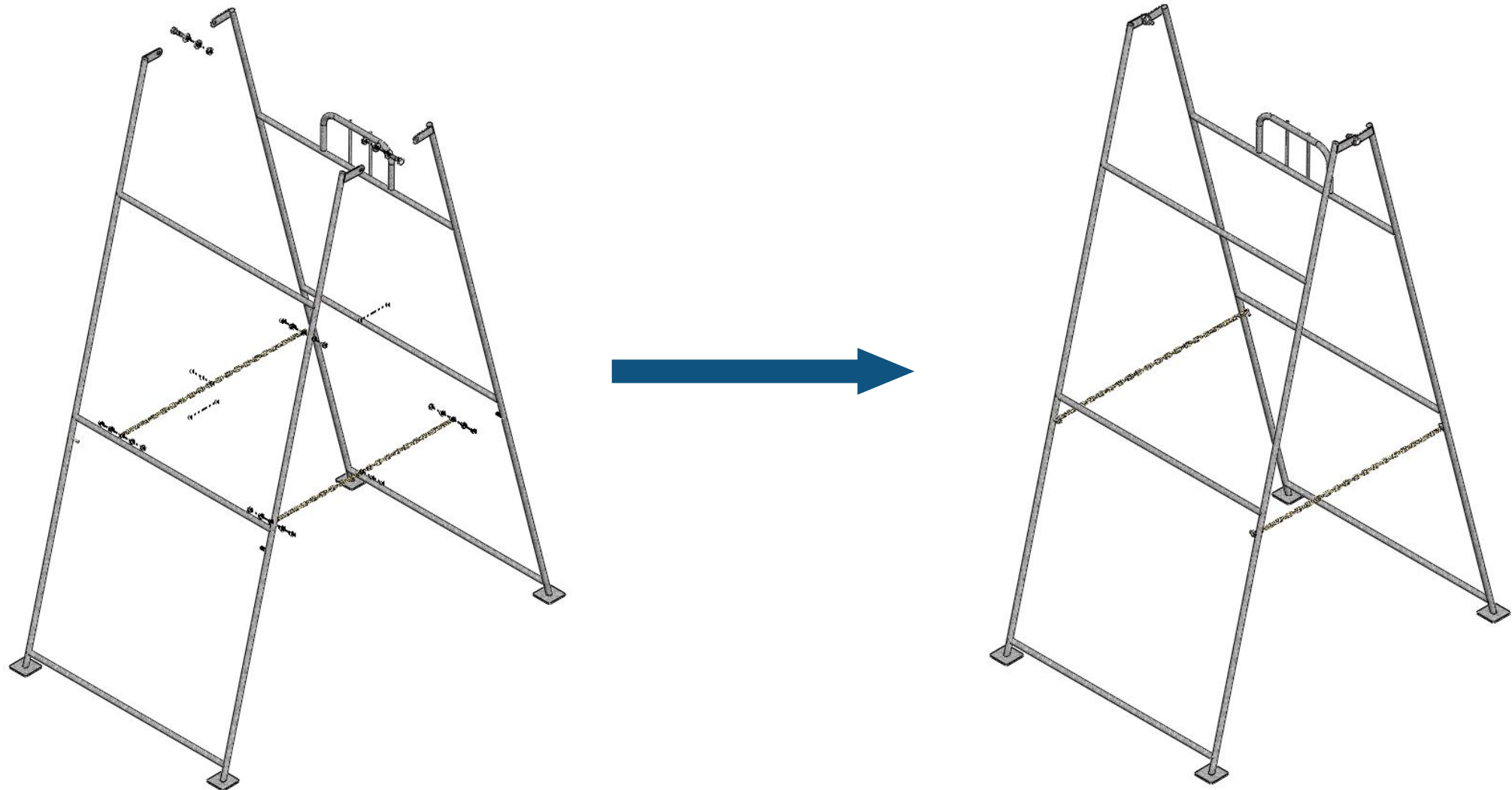
**M8 X 3MM
SS FLAT
WASHER X4**

**M6 X 3MM
SS FLAT
WASHER X4**



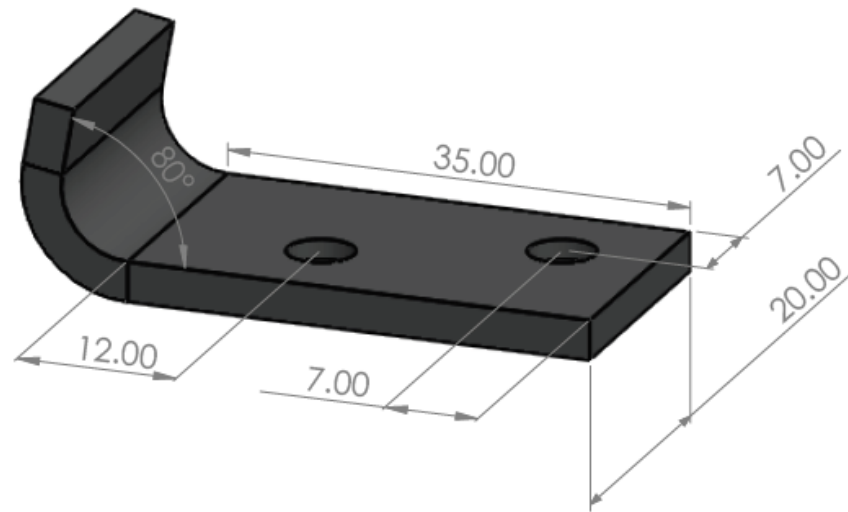
**20MM
COUNTER-
SUNK
WOOD
SCREWS X8**

ASSEMBLY



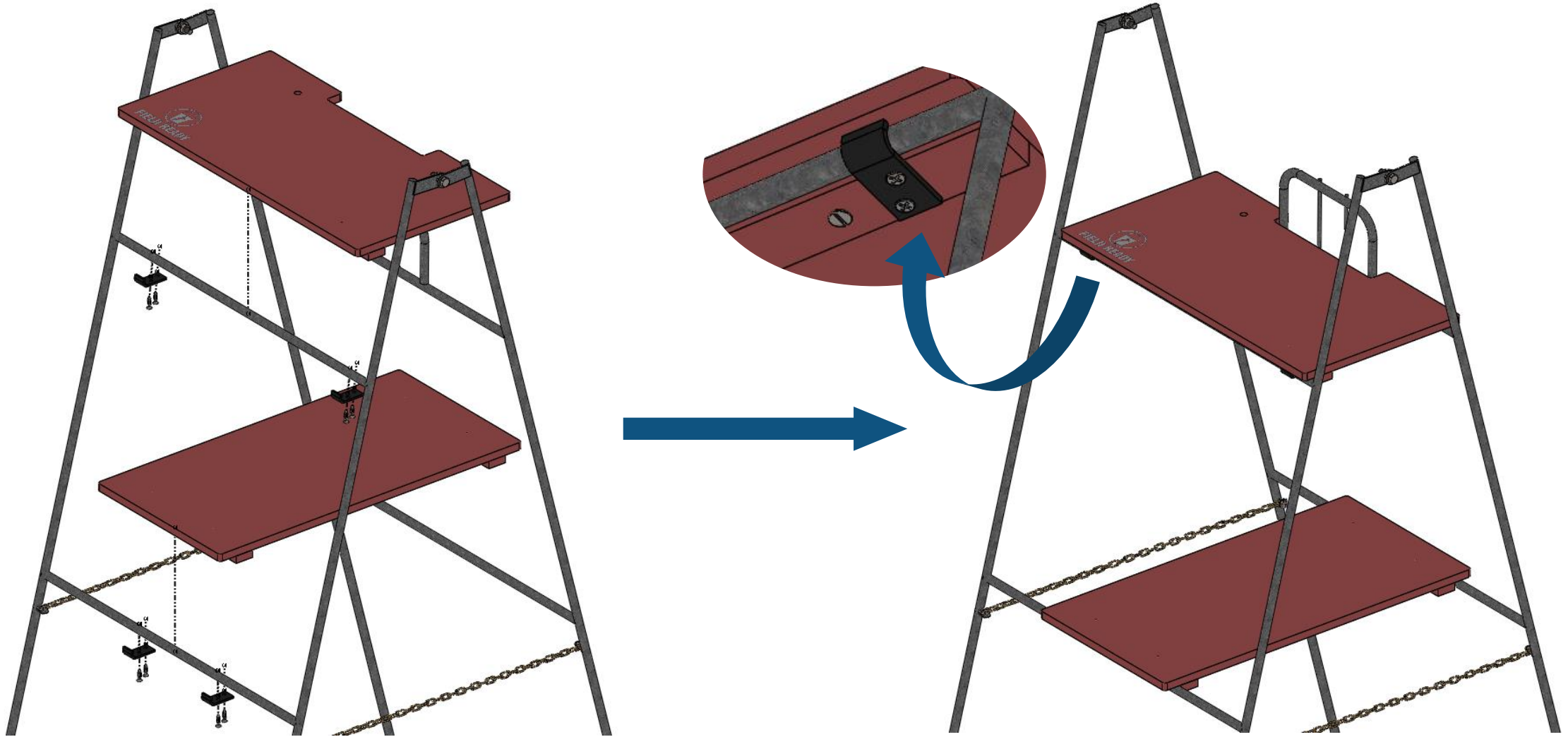
ASSEMBLE THE FRAMES AS SHOWN.

ASSEMBLY



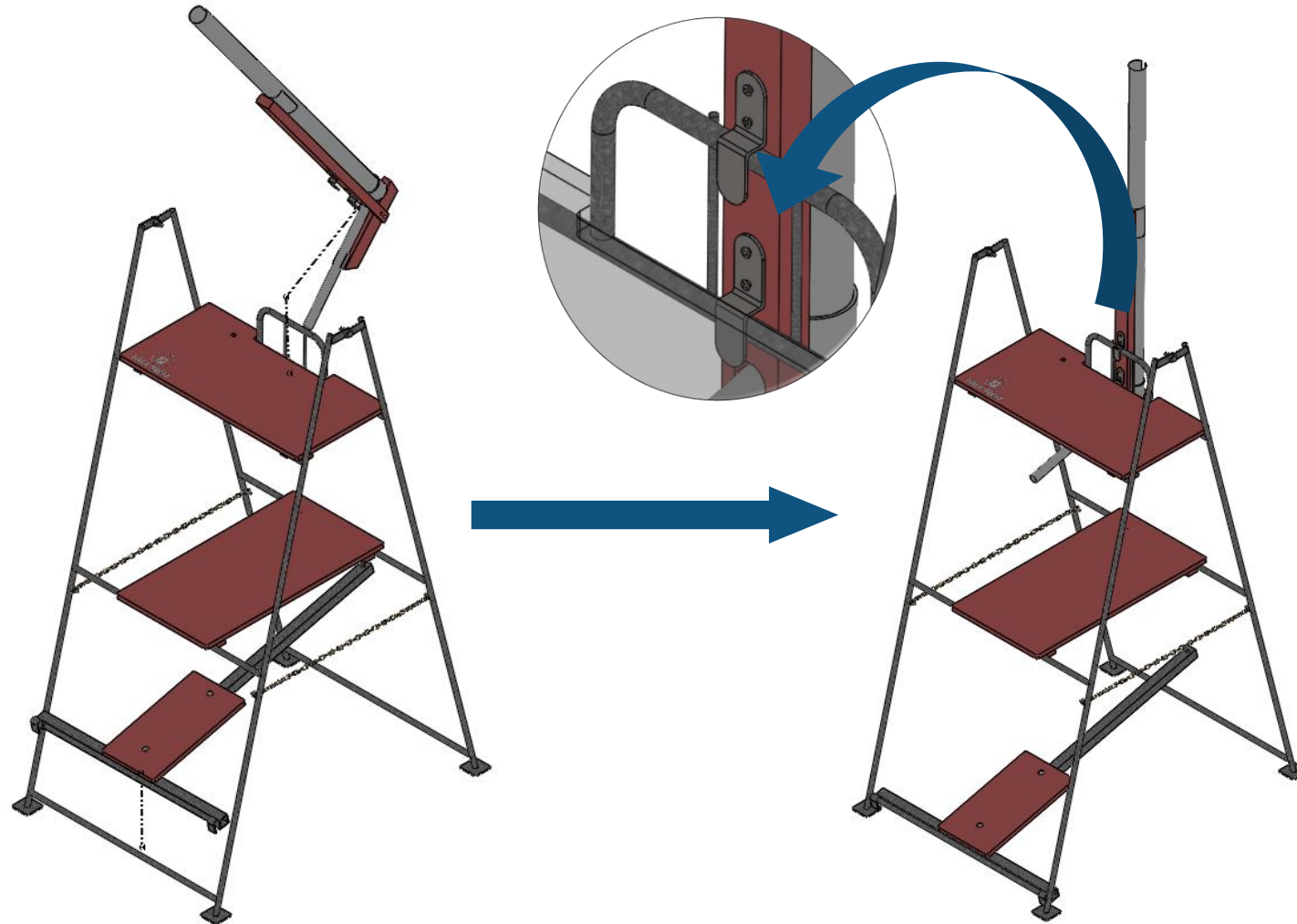
CUT AND BEND FLAT BAR AS SHOWN. DRILL Ø3MM THROUGH HOLES. TAPER OUTSIDE EDGES OF THE HOLES (30°)

ASSEMBLY



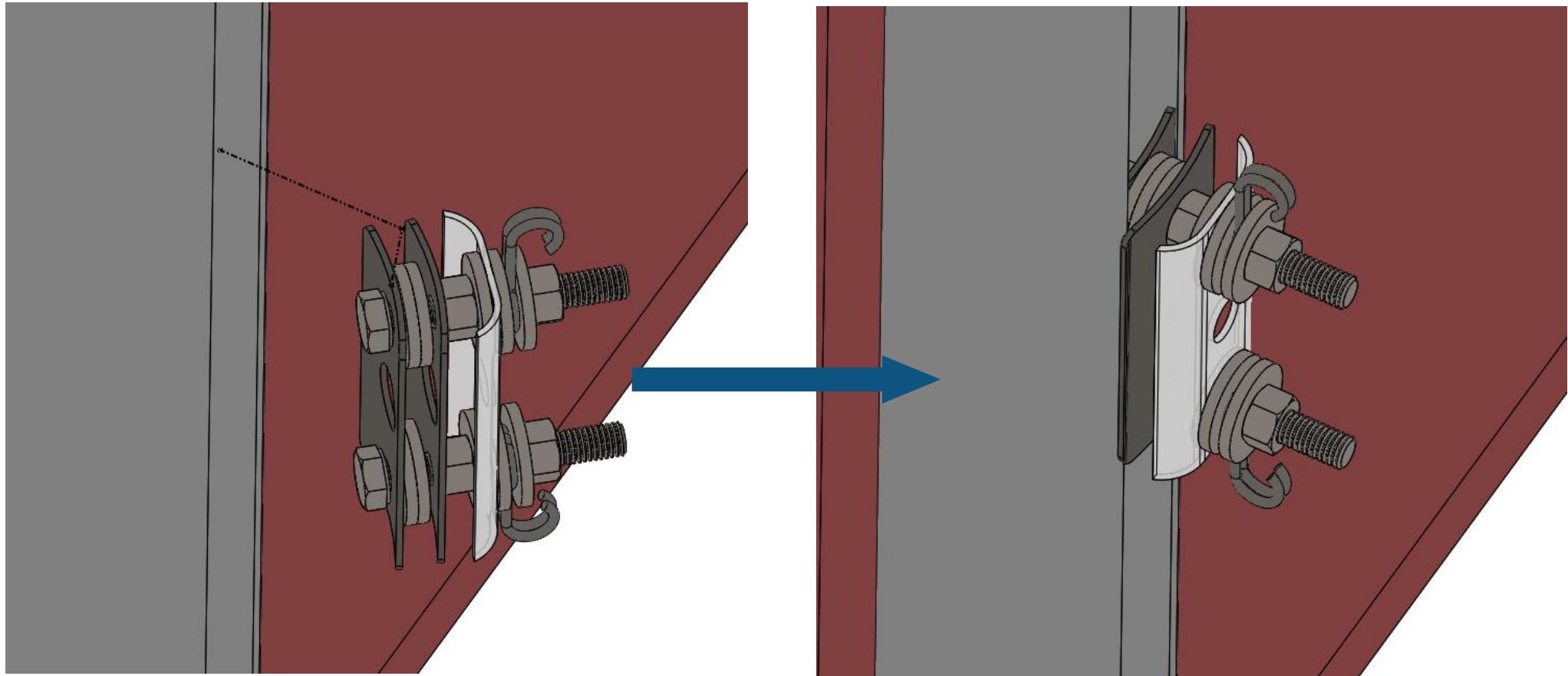
SECURE THE SHELVES IN PLACE AS SHOWN.

ASSEMBLY



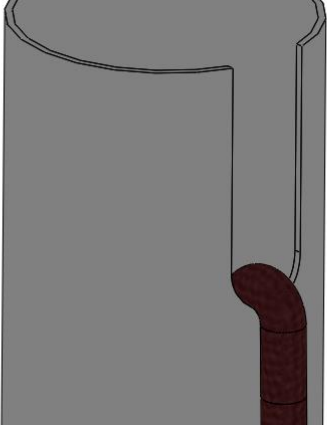
HOOK ON THE PIPE HOLDER AS SHOWN. MAKE SURE IT IS A TIGHT FIT. THE PEDAL ALSO SLOTS IN THE BOTTOM CROSS SUPPORT OF THE FRONT FRAME.

ASSEMBLY

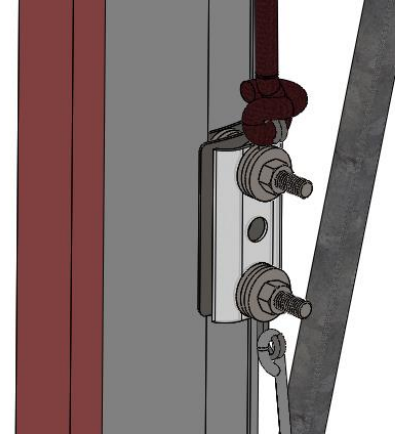
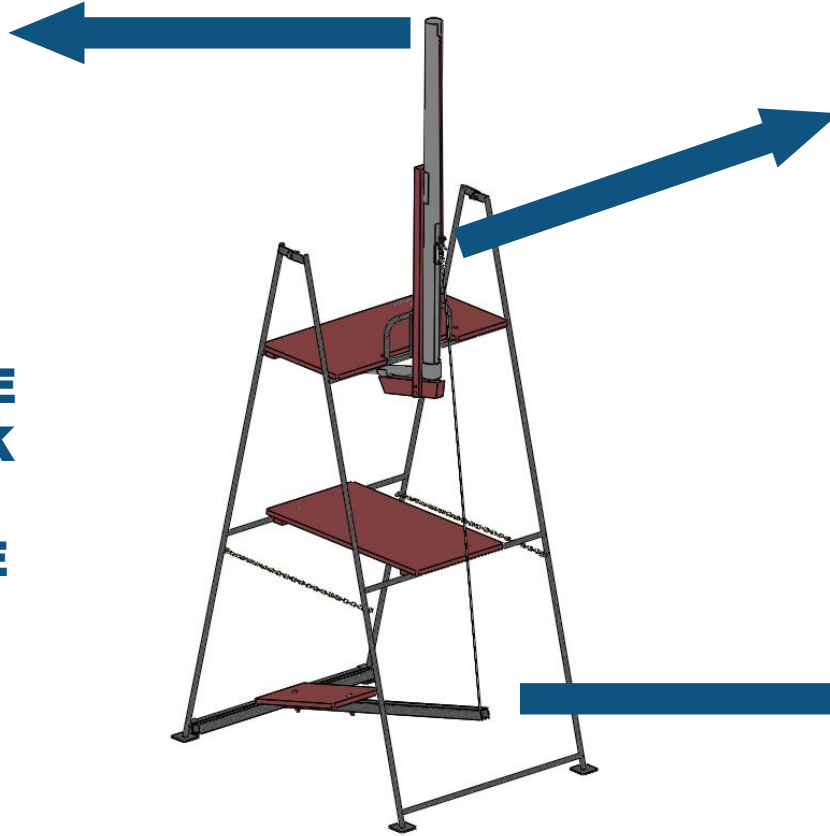


CLIP ON THE SLIDER AT THE BACK OF THE PIPE.

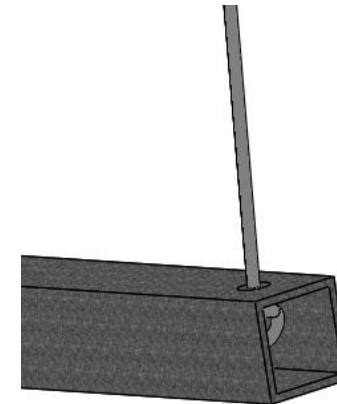
ASSEMBLY



**TIE A KNOT ON ONE
END OF THE SHOCK
CORD. SLOT IN ON
THE GROVE AT THE
TOP OF THE PIPE.**

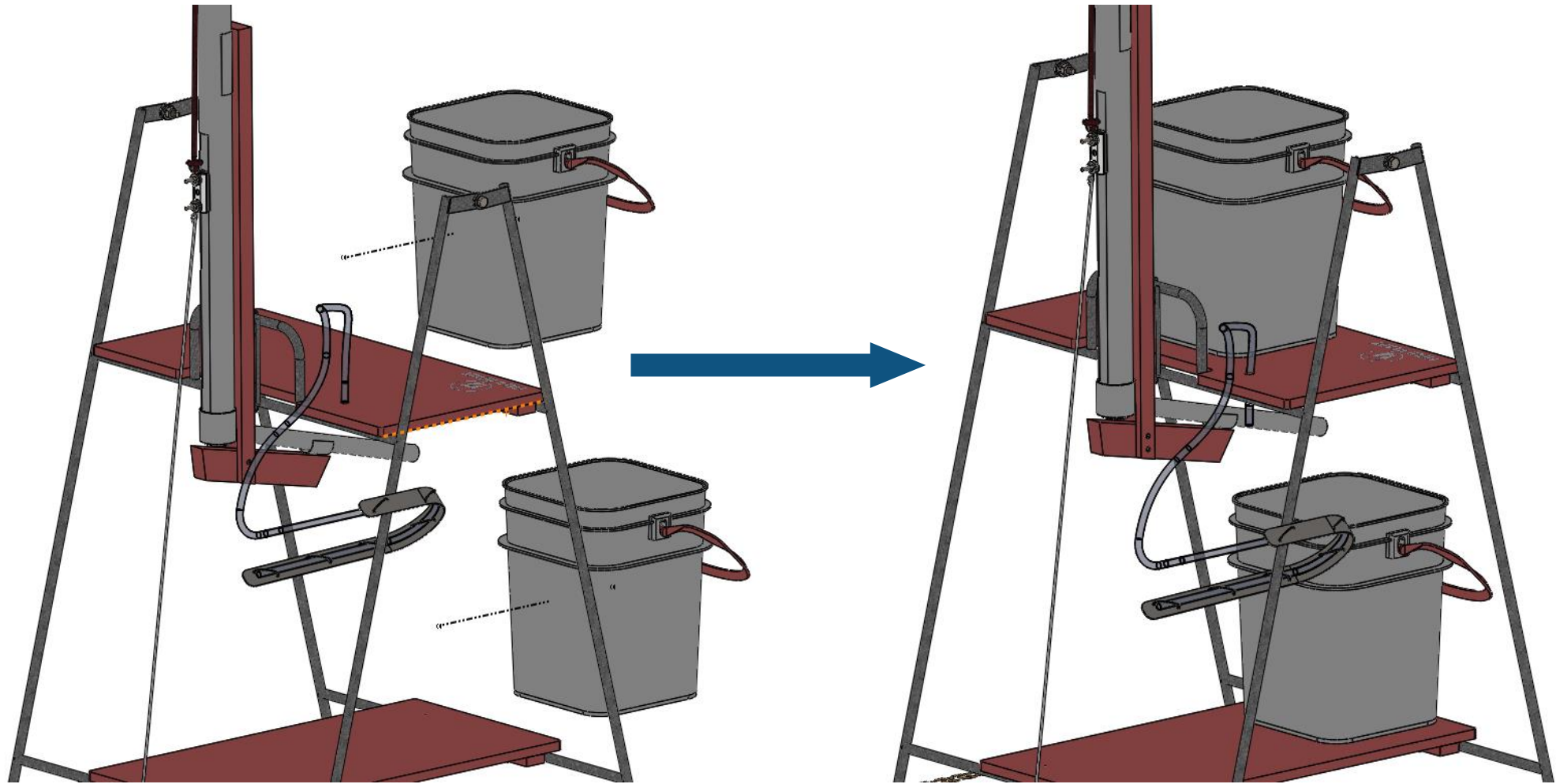


**TIE OTHER END
TO OF THE
SHOCK CORD
TO THE TOP
HOOK OF THE
SLIDER. TIE ONE
END OF ROPE
TO THE BOTTOM
HOOK OF THE
SLIDER.**



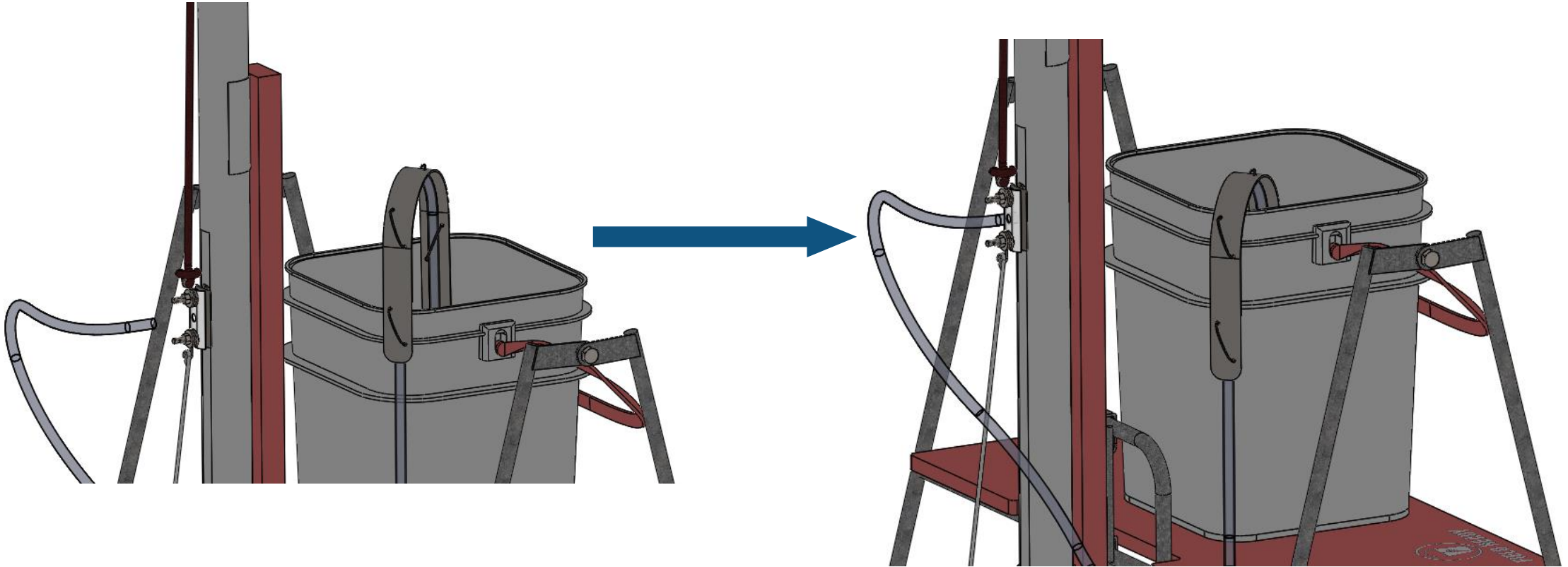
**TIE OTHER END OF THE ROPE
TO THE HOLE ON THE PEDAL.**

ASSEMBLY



PLACE BUCKETS ON BOTH SHELVES. SLOT THE END OF THE OULET THROUGH THE HOLE ON THE TOP SHELF AS SHOWN.

ASSEMBLY



SLOT IN OUTLET HOSE INTO THE SLIDER AS SHOWN. PLACE THE OTHER END INSIDE THE BUCKET AS SHOWN. REFER TO 'HOW TO SYPHON' PAMPHLET FOR SYPHONING INSTRUCTIONS.