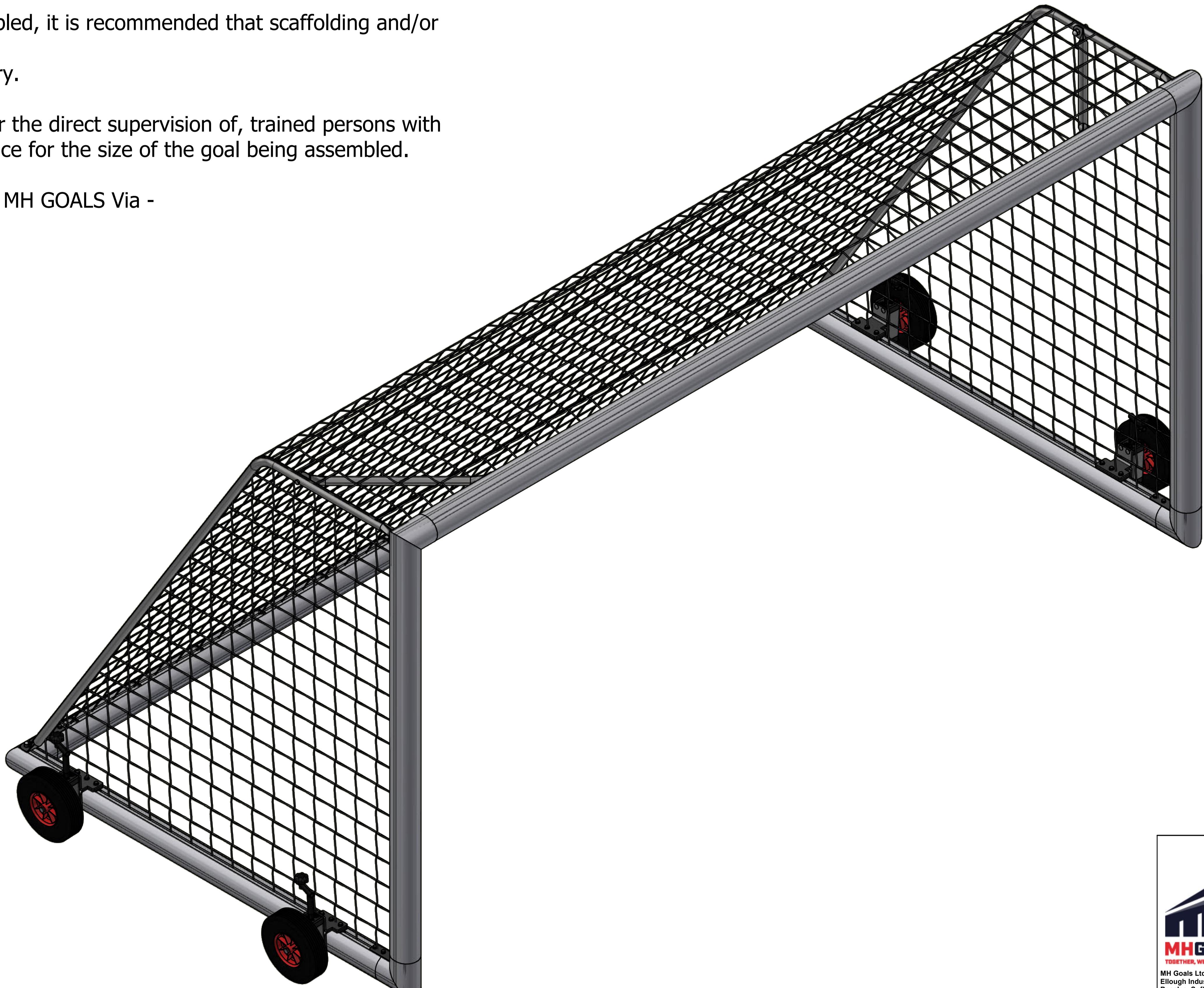


# Installation of Goals

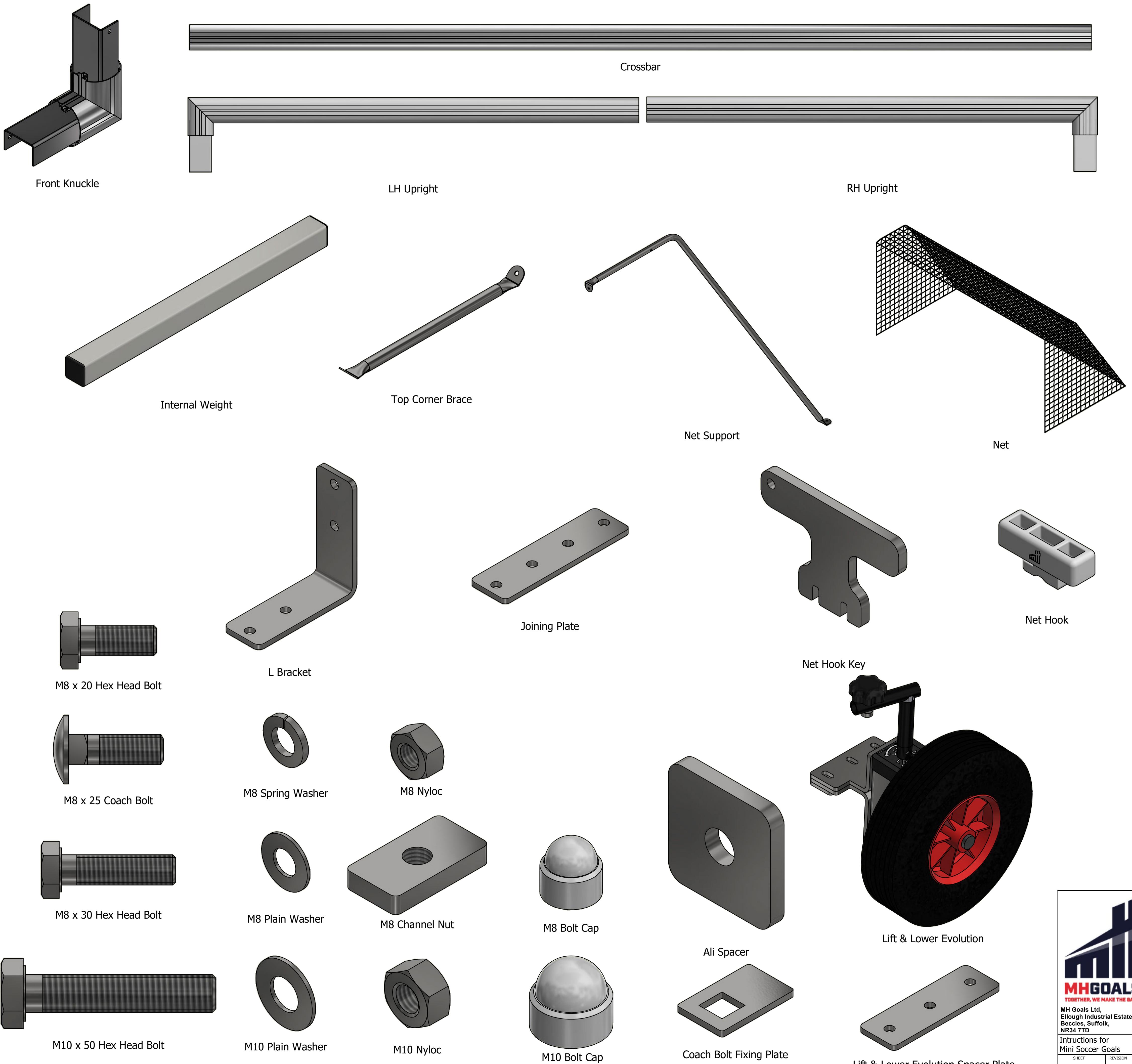
- Always use the instructions and recommendations provided by the manufacturer when installing equipment
- The appropriate personal protective equipment (PPE) must be worn at all times. I.E. Hard hat, steel toe cap boots, gloves, etc.
- When tall and/or heavy equipment is being assembled, it is recommended that scaffolding and/or heavy lifting equipment is used.  
A risk assessment should be carried out if necessary.
- Installation should only be undertaken by, or under the direct supervision of, trained persons with enough experience and with the adequate assistance for the size of the goal being assembled.
- For spares or assistance please get in contact with MH GOALS Via -
  - T - 01502 711 298
  - E - [Info@mhgoals.com](mailto:Info@mhgoals.com)
  - W - [www.mhgoals.com](http://www.mhgoals.com)



1 VIEW

## Mini Soccer Parts List

ITEM	Part Number	QTY
1	100mm Ali Crossbar	2
2	100mm Ali LH Upright	2
3	100mm Ali RH Upright	2
4	100mm Ali Front Knuckle	2
5	Internal Weight	Up to 4
6	Top Corner Brace	2
7	Net Support	2
8	Net	1
9	Lift & Lower Evolution Wheel	4
10	Lift & Lower Evolution Spacer Plate	4
11	Joining Plate	4
12	L Bracket	2
13	Square Ali Spacer	6
14	Coach bolt Fixing Plate	6
15	M8 x 20 Hex Head Bolt	24
16	M8 x 25 Coach Bolt	6
17	M8 x 30 Hex Head Bolt	12
18	M10 x 50 Hex Head Bolt	2
19	M8 Spring Washer	24
20	M8 Plain Washer	18
21	M10 Plain Washer	2
22	M8 Channel Nut	36
23	M8 Nyloc	6
24	M10 Nyloc	2
25	M8 Nut Cap	6
26	M10 Nut Cap	2
27	Net Hook	Bag of
28	Net Hook Key	1



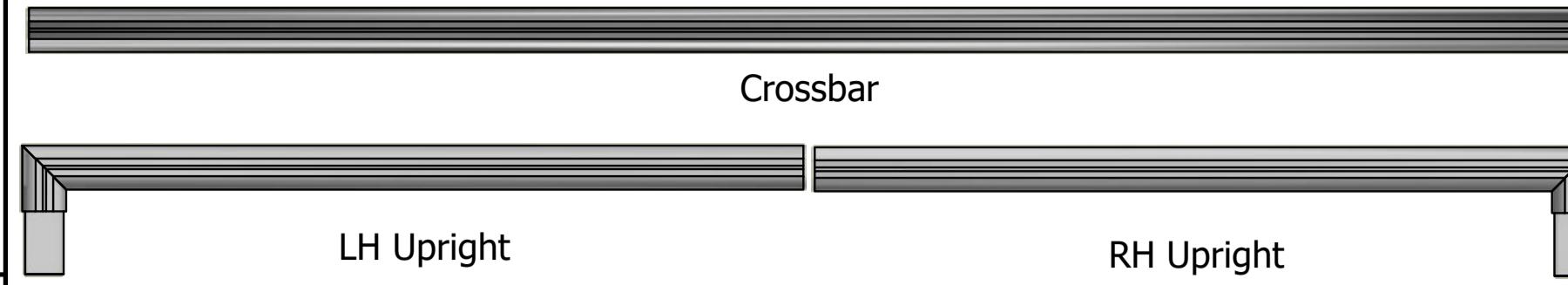
TOGETHER, WE MAKE THE GAME

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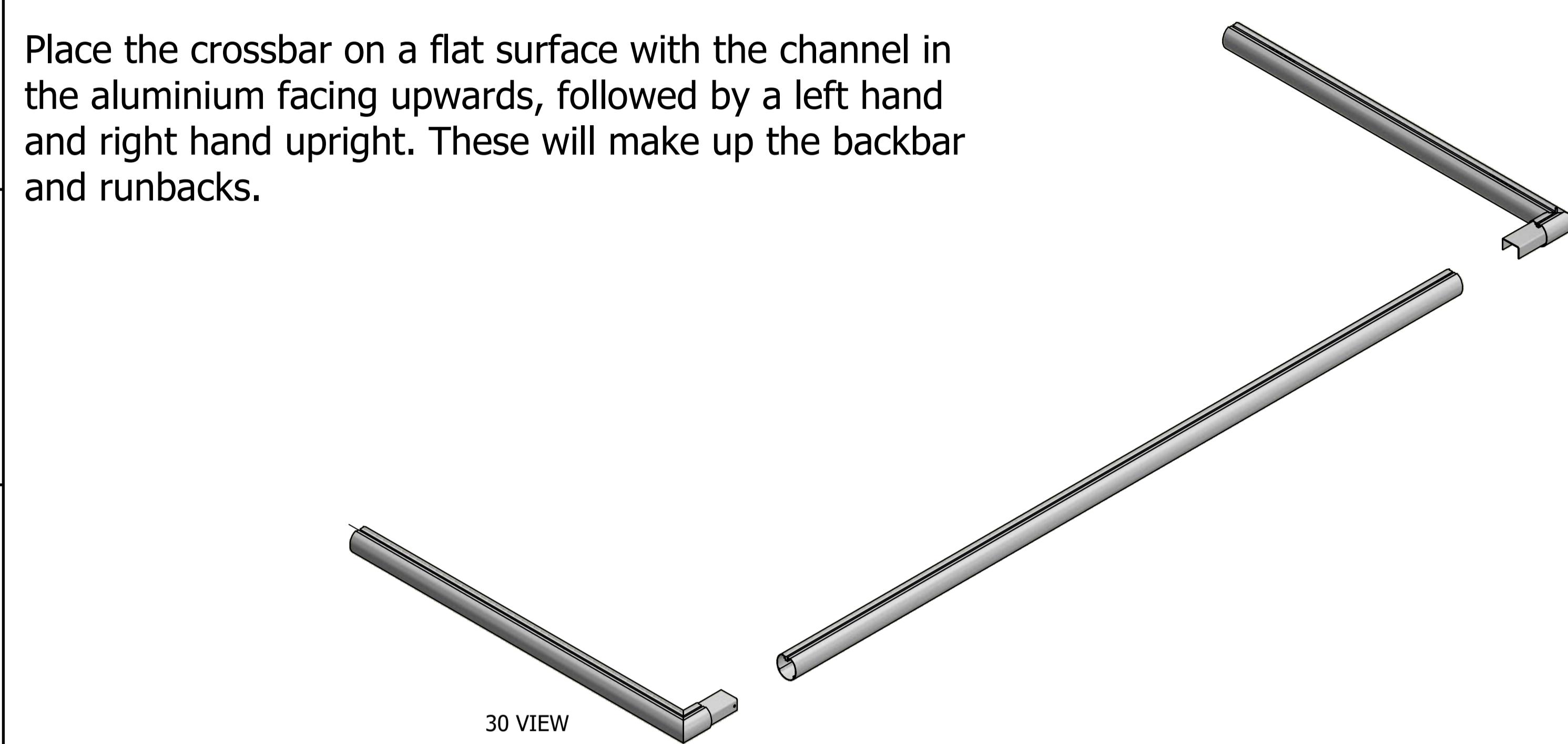
SHEET 2 OF 10 REVISION 1

## Parts Required

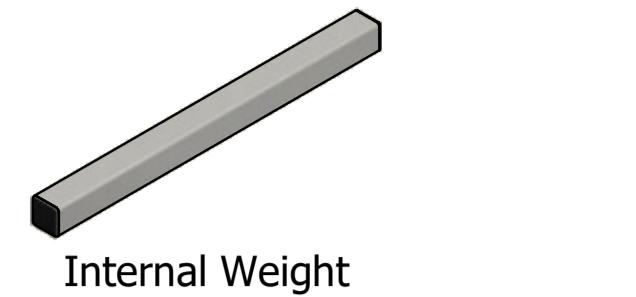


### Step 1 -

Place the crossbar on a flat surface with the channel in the aluminium facing upwards, followed by a left hand and right hand upright. These will make up the backbar and runbacks.

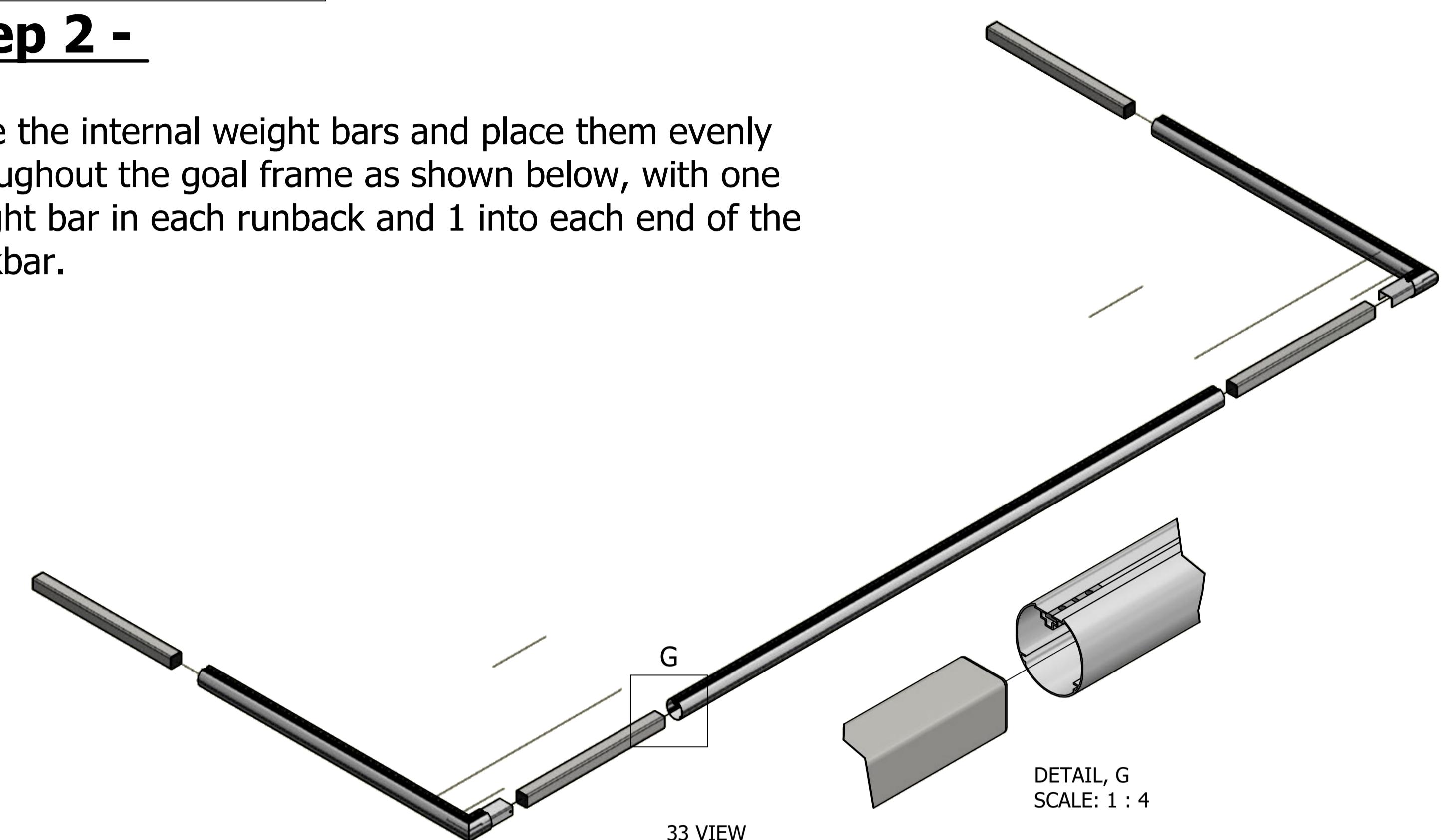


## Parts Required



### Step 2 -

Take the internal weight bars and place them evenly throughout the goal frame as shown below, with one weight bar in each runback and 1 into each end of the backbar.



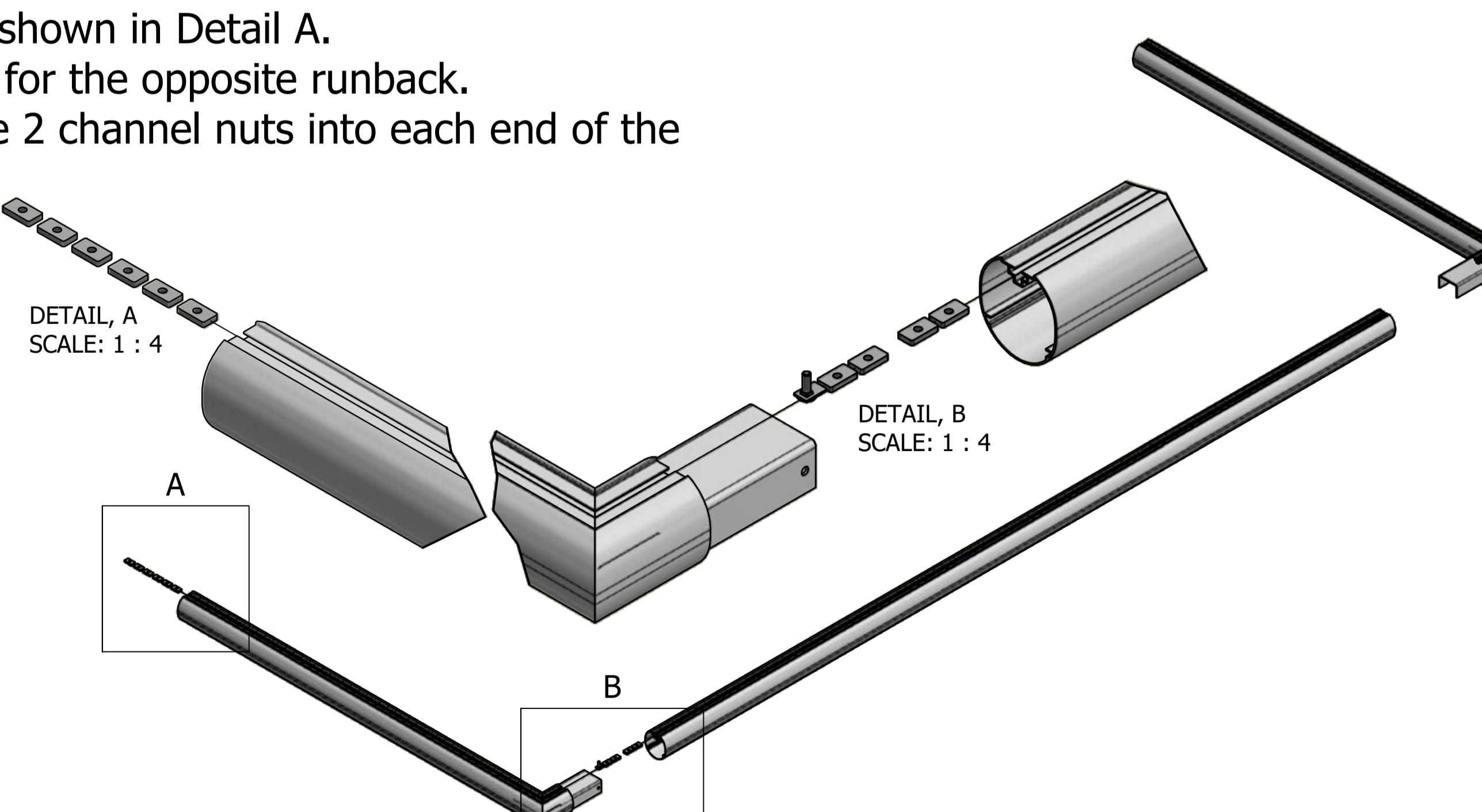
### Step 3 -

Place a coach bolt fixing plate over a coach bolt and slide it into the top corner of the runback. Follow this with 2 channel nuts into the corner of the runback as shown in Detail B.

Next Place 6 Channel nuts into the bottom of the runback as shown in Detail A.

Repeat this for the opposite runback.

Finally place 2 channel nuts into each end of the backbar.



## Parts Required



### Step 4 -

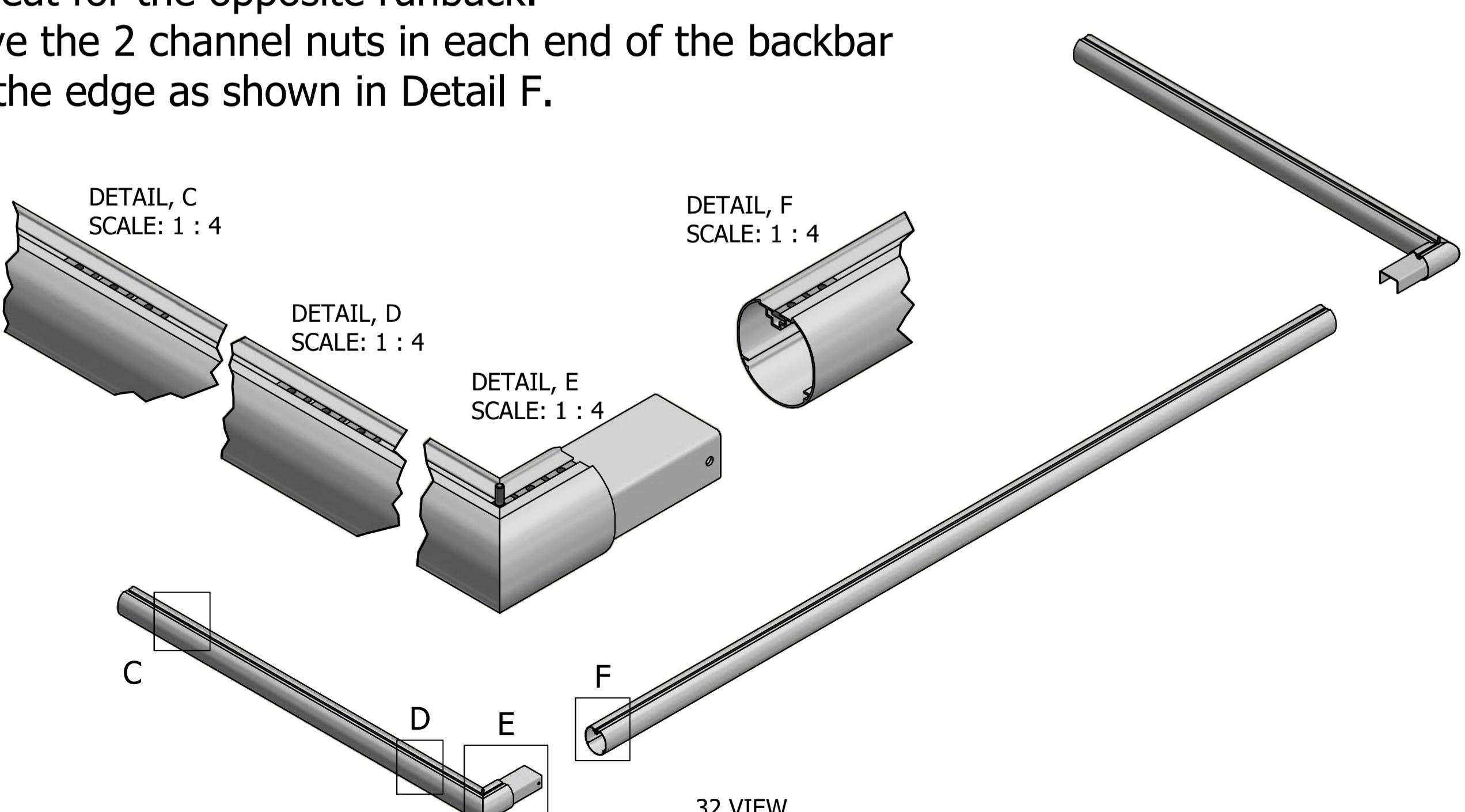
Move 3 of the channel nuts in the runback to the position shown in Detail D. Move the other 3 channel nuts in the runback to the position shown in Detail C.

Move the coach bolt and plate into the corner of the runback as shown in Detail E.

Move the channel nuts in the corner of the runback to the edge of the aluminium as shown in Detail E.

Repeat for the opposite runback.

Move the 2 channel nuts in each end of the backbar to the edge as shown in Detail F.



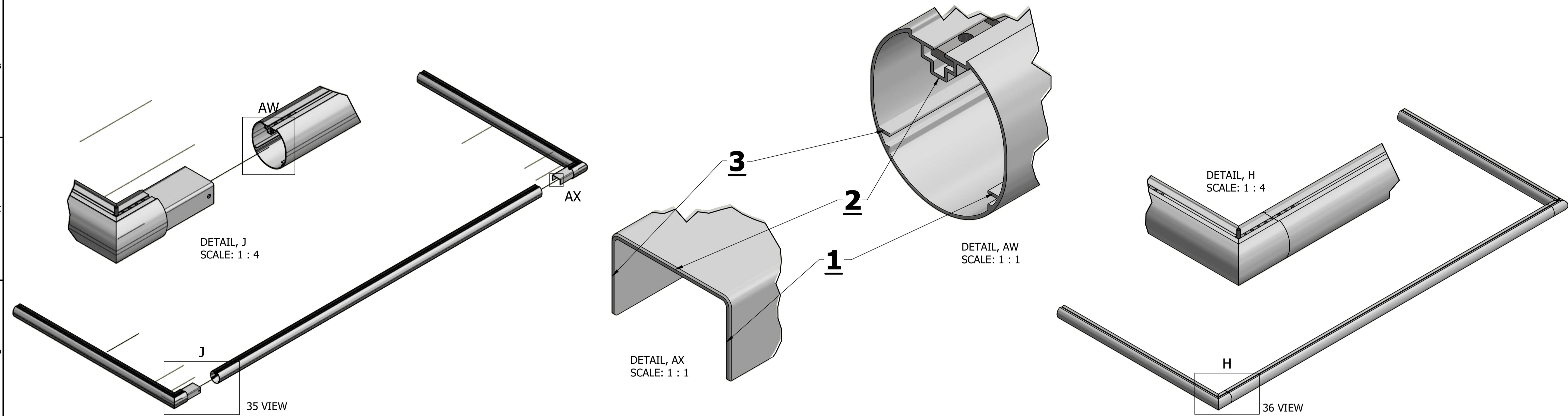
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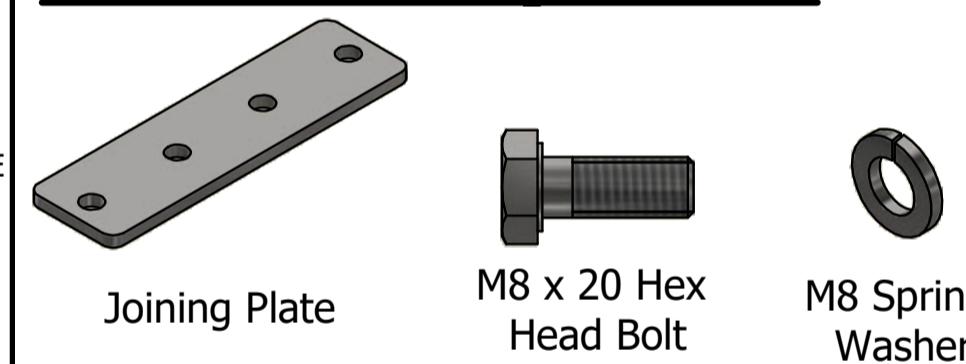
SHEET 3 OF 10 REVISION 1

## Step 5 -

Push the runbacks and backbar together as shown in Details J & H. This is done by lining up the channel in the top corner of the runback with the flat sections of the extrusion in the backbar, as marked by points 1-3 in Details AW & AX (AX view has been flipped for clarity purposes.)

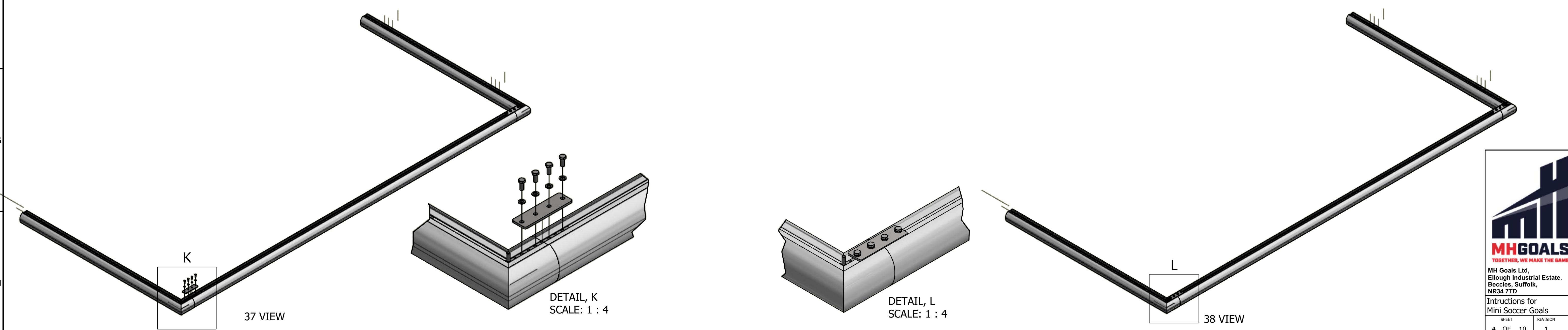


## Parts Required



## Step 6 -

To secure the runbacks to the backbar, place a joining plate over the join so that the join is in the middle of the plate and moving the channel nuts to line up with the holes in the plate. Then place an M8 spring washer over an M8 x 20 hex head bolt, placing the bolt through the joining plate and screwing into the channel nut below as shown in Detail K. Once complete, both joins should look like Detail L.

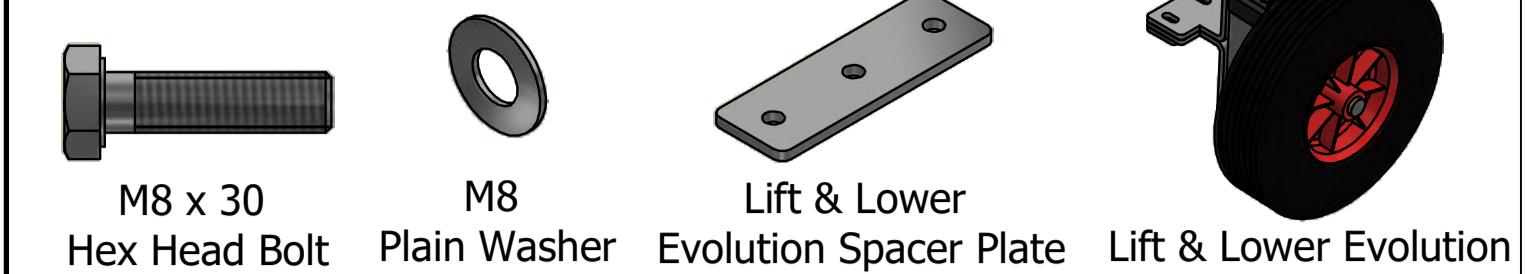


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## Parts Required



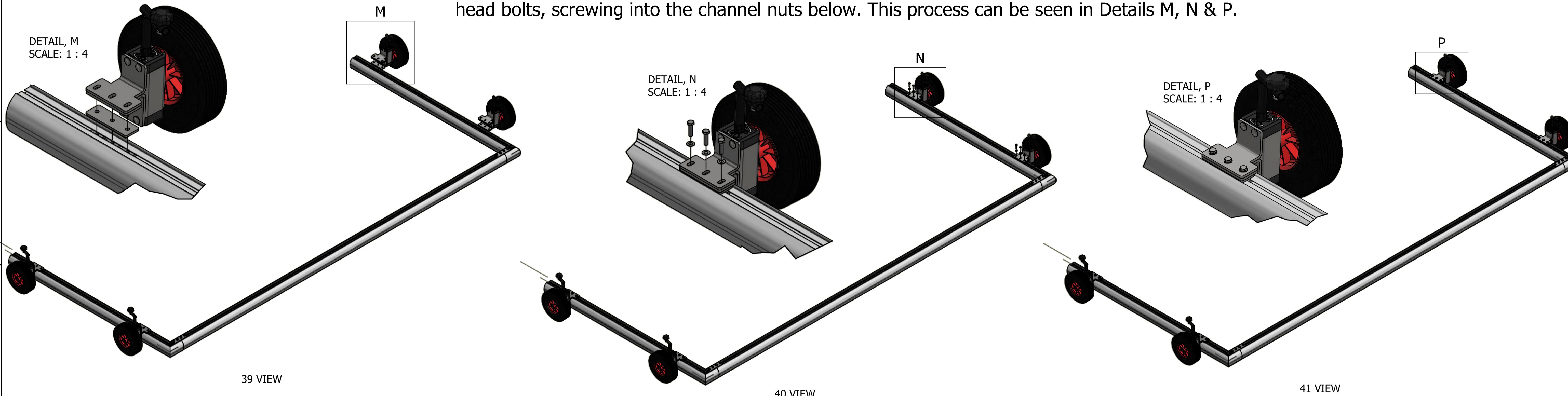
## Step 7 -

Place a lift and lower evolution spacer plate over each set of 3 channel nuts in the runbacks.

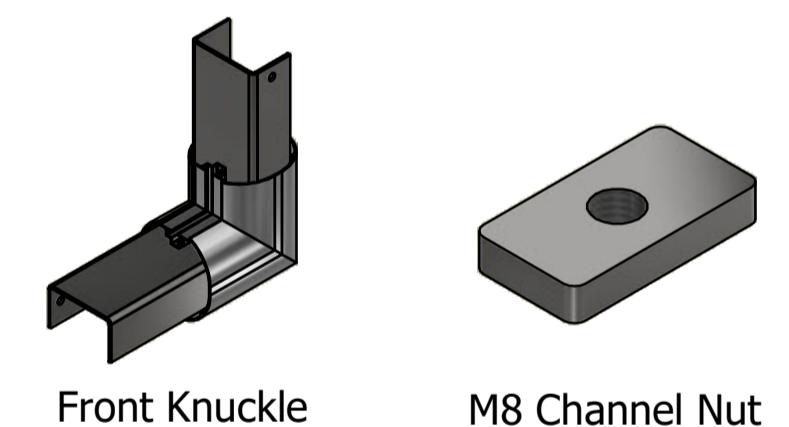
Make sure the channel nuts line up with the holes in the plate.

Place a Lift and Lower Evolution wheel assembly over each of the spacer plates.

Secure the wheel in position as close to the side of the aluminium as possible, do this using M8 plain washers placed over M8 x 30 hex head bolts, screwing into the channel nuts below. This process can be seen in Details M, N & P.



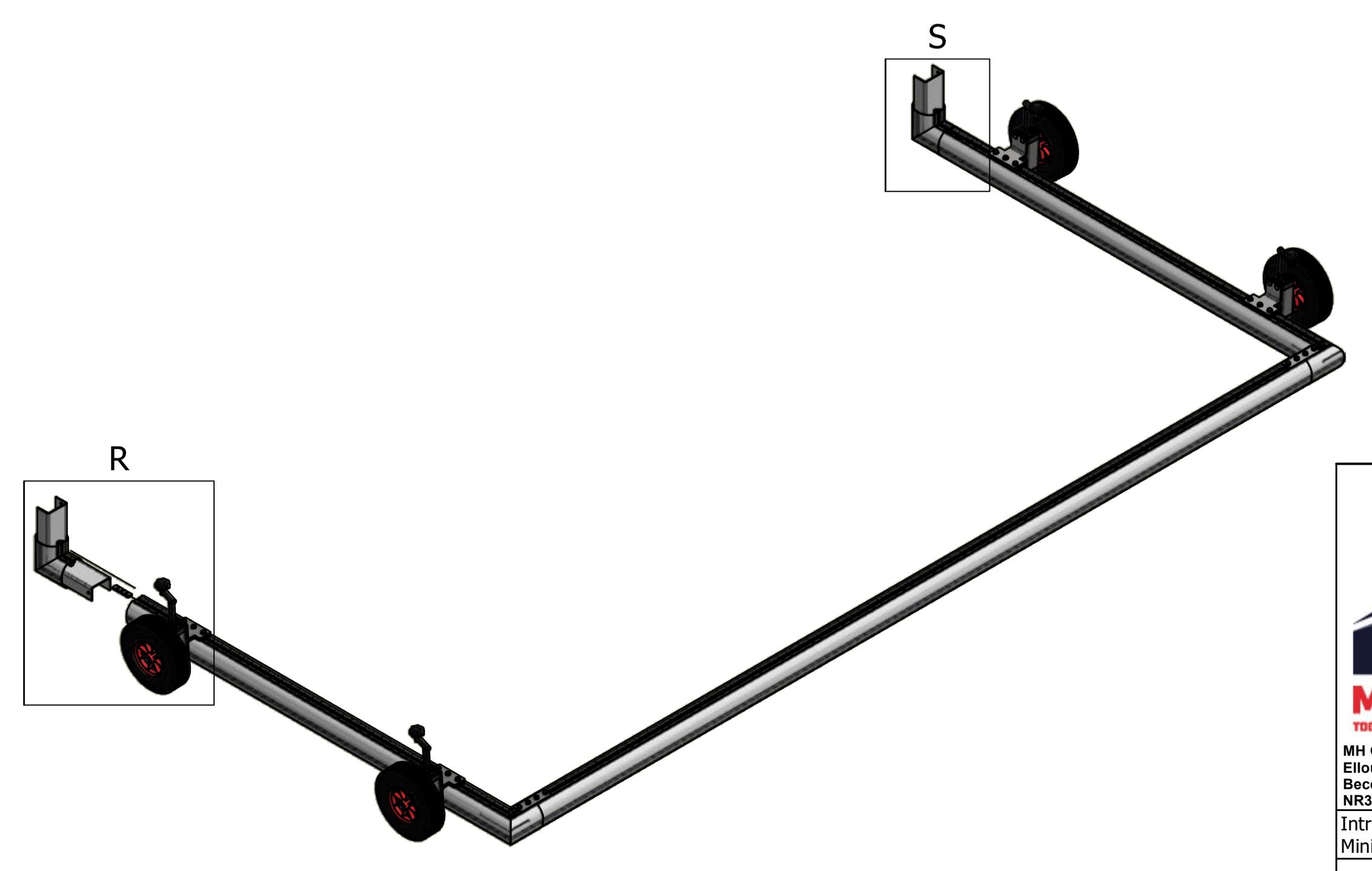
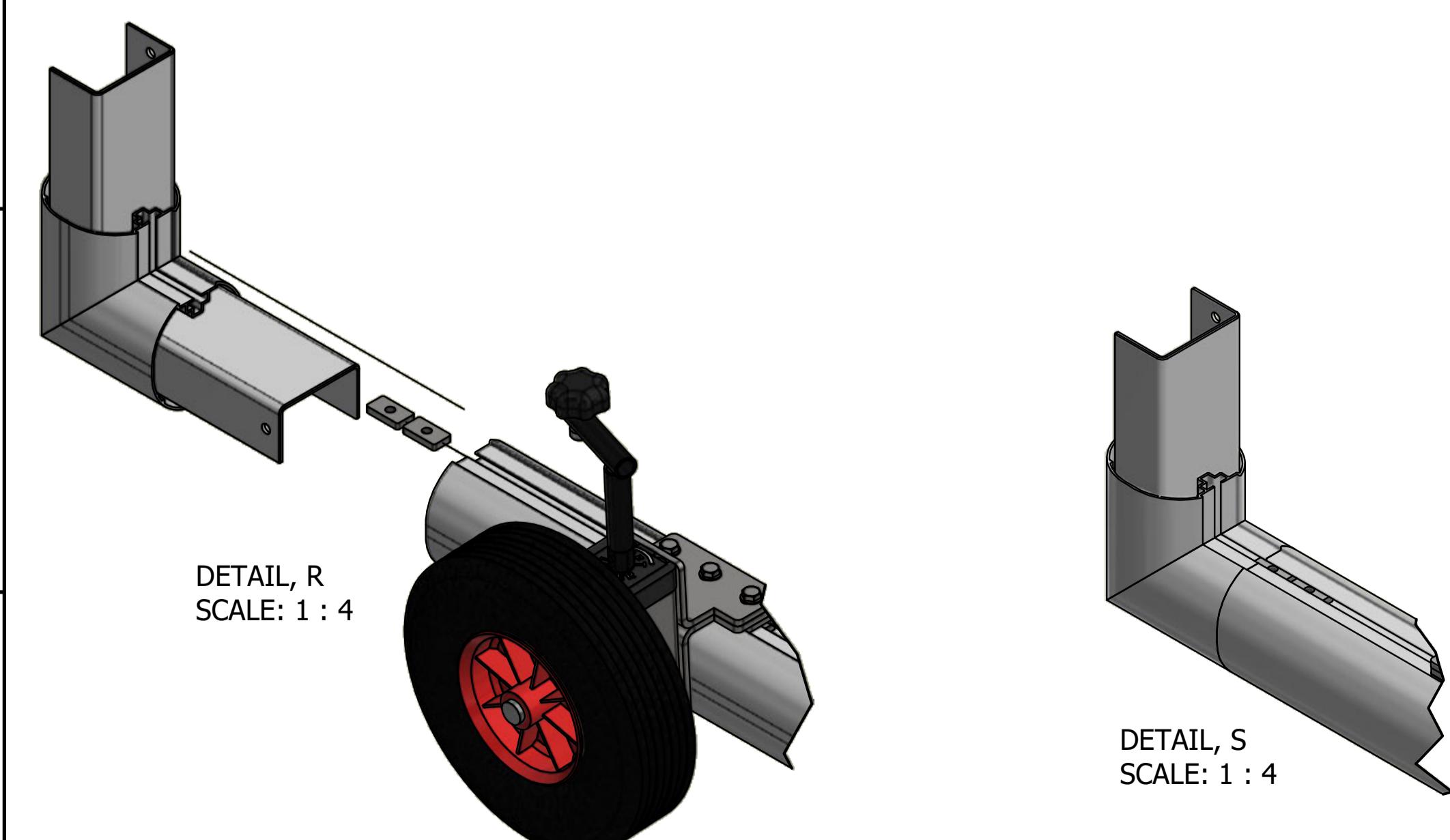
## Parts Required



## Step 8 -

For this step place 2 more channel nuts into the bottom end of each runback as shown in Detail R.

Then take the front knuckles and using the same method as pushing the runback together with the backbar, push the front knuckle into the runback so that it looks like Detail S.



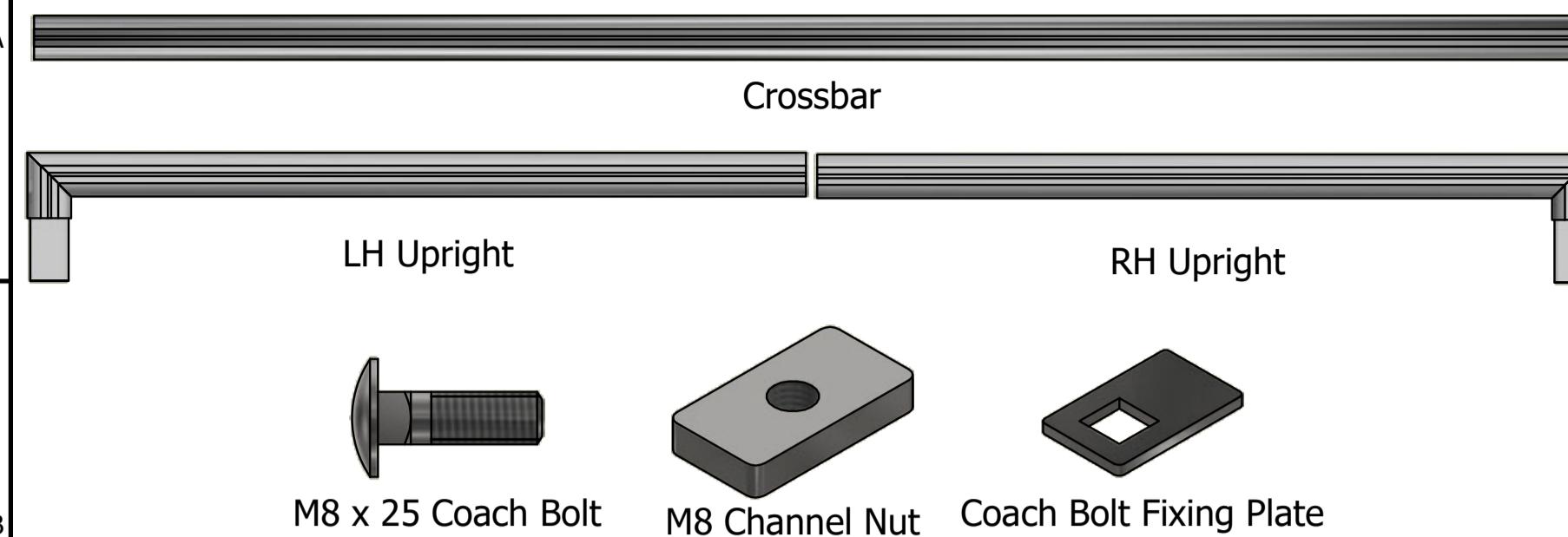
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REVISION 1

## Parts Required

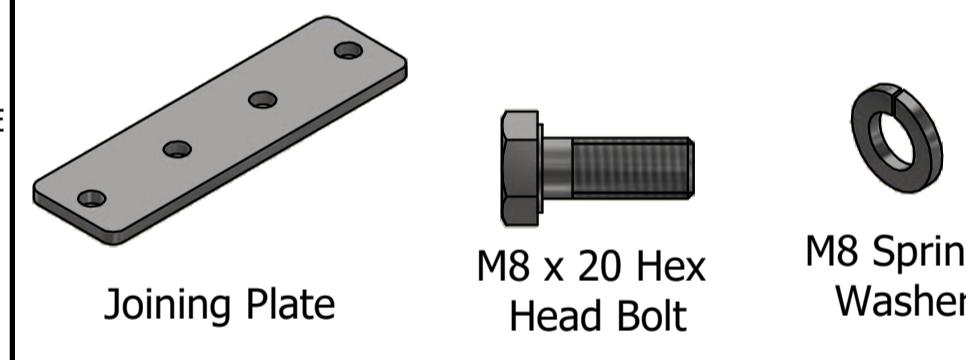


## Step 9 -

For this step take the crossbar and place it on a flat surface, followed by a left and right upright. Then place 2 channel nuts into the top corner of the uprights as shown in Detail T. Then place a coach bolt fixing plate over a coach bolt and place that followed by 2 channel nuts into the bottom of the uprights as shown in Detail U, moving to the positions shown in Details X & W. Place another coach bolt fixing plate over a coach bolt and slide that into the crossbar followed by 2 channel nuts as shown in Detail T, moving to the position shown in Detail V.

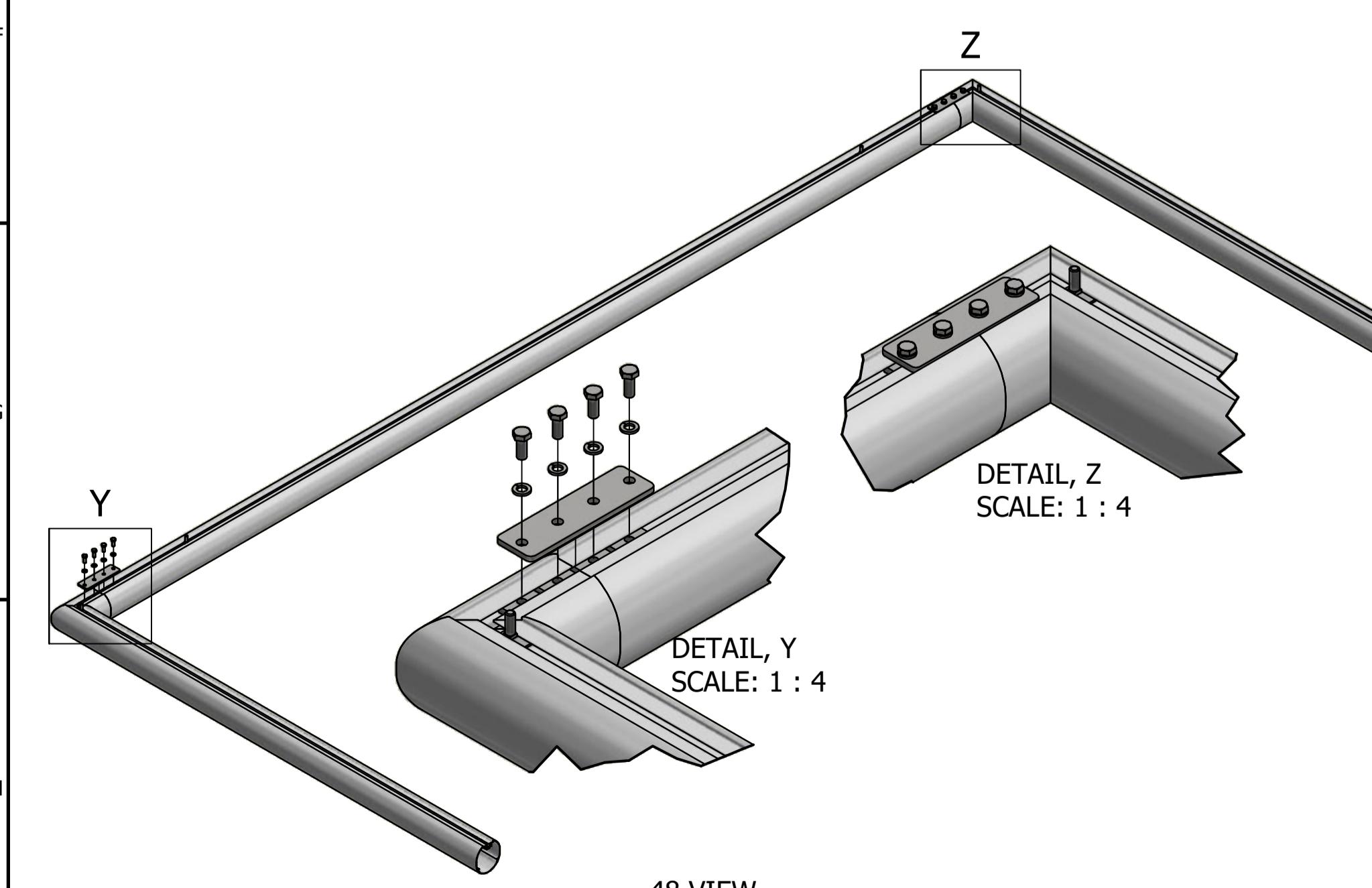


## Parts Required

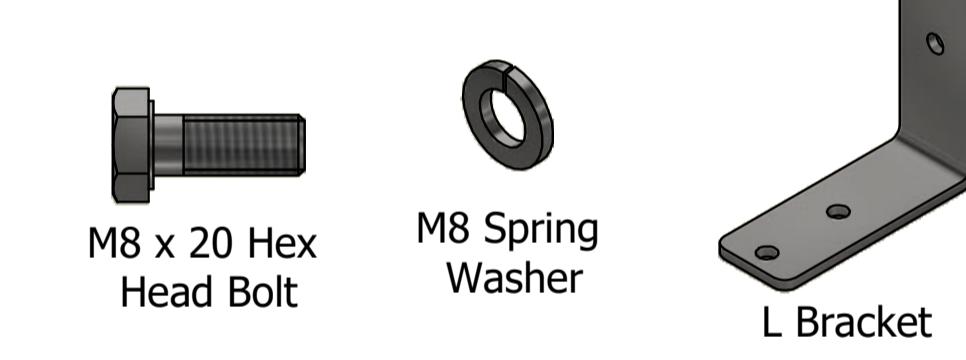


## Step 10 -

As before to secure the crossbar to the uprights, push the uprights into the crossbar and place a joining plate over the join and securing into position using the M8 spring washers and M8 x 20 hex head bolt as shown in Detail Y, so that it looks like Detail Z when complete.



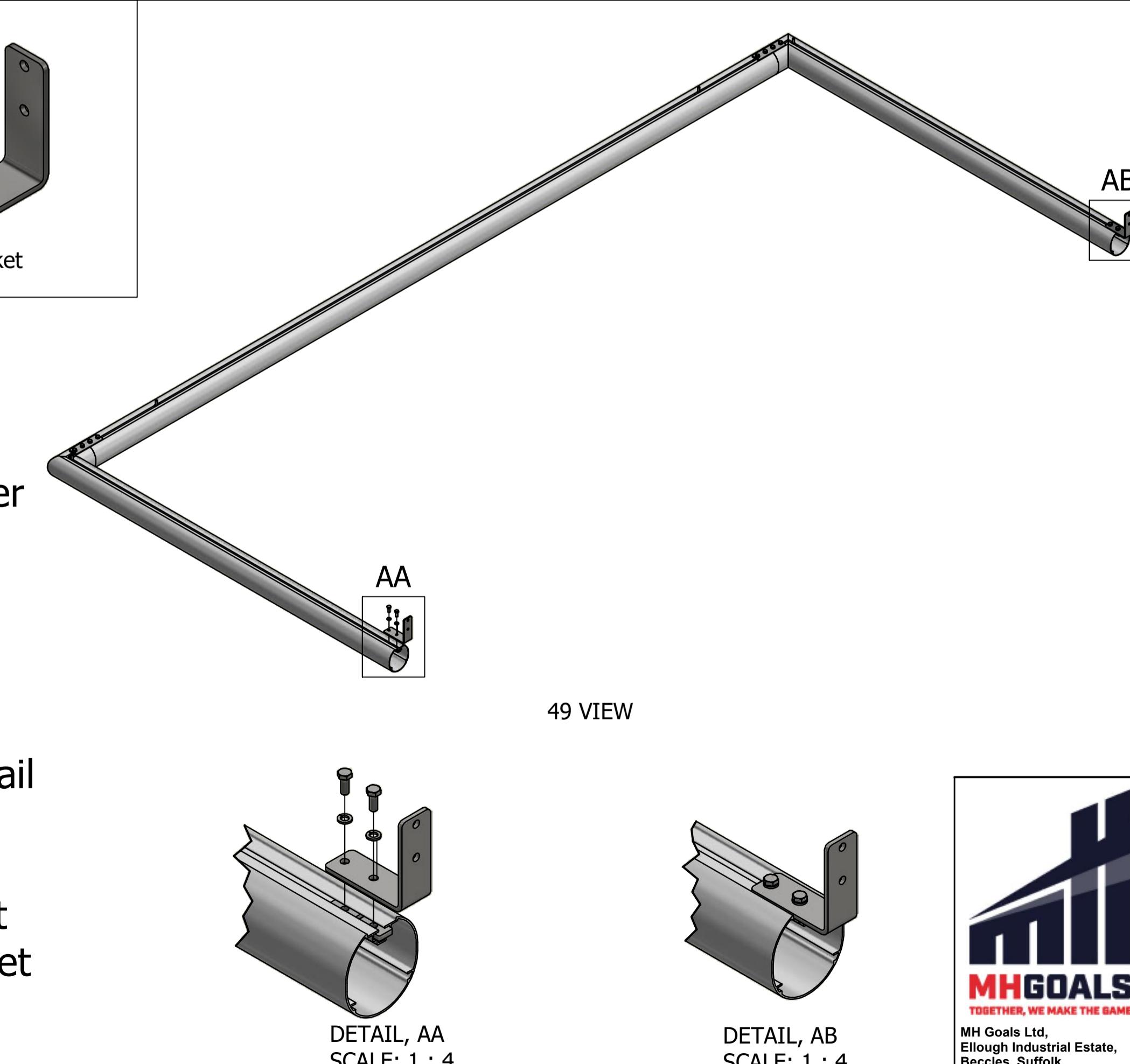
## Parts Required



## Step 11 -

For this step take the L brackets and place them over the 2 channel nuts at the bottom of the upright. Secure the bracket into position using M8 spring washers and M8 x 20 hex head bolts. As shown in Detail AA ending up like Detail AB.

Only do this step finger tight as movement of the L bracket can help in the next step.



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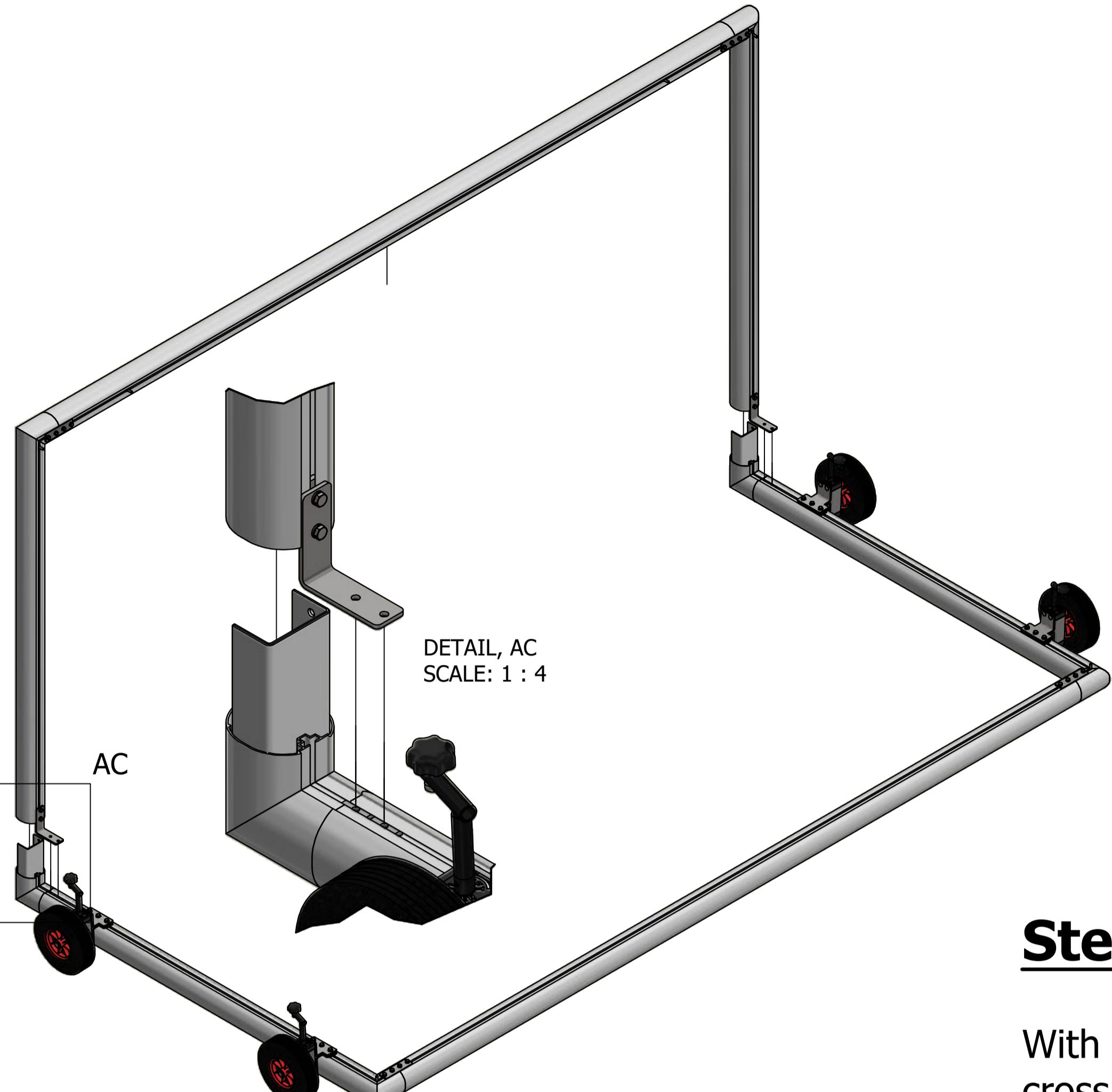
## Parts Required



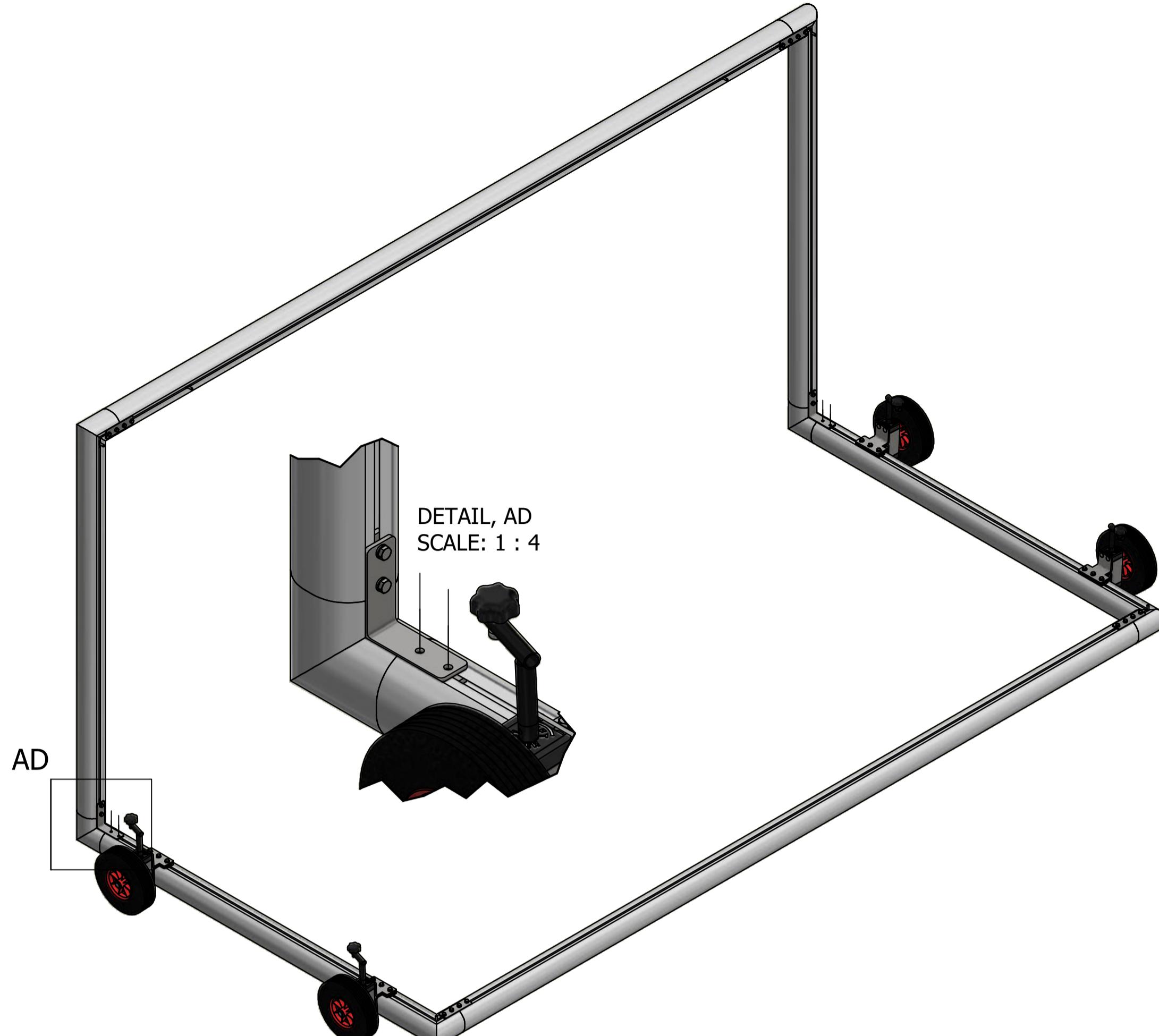
M8 x 20 Hex Head Bolt



M8 Spring Washer



50 VIEW

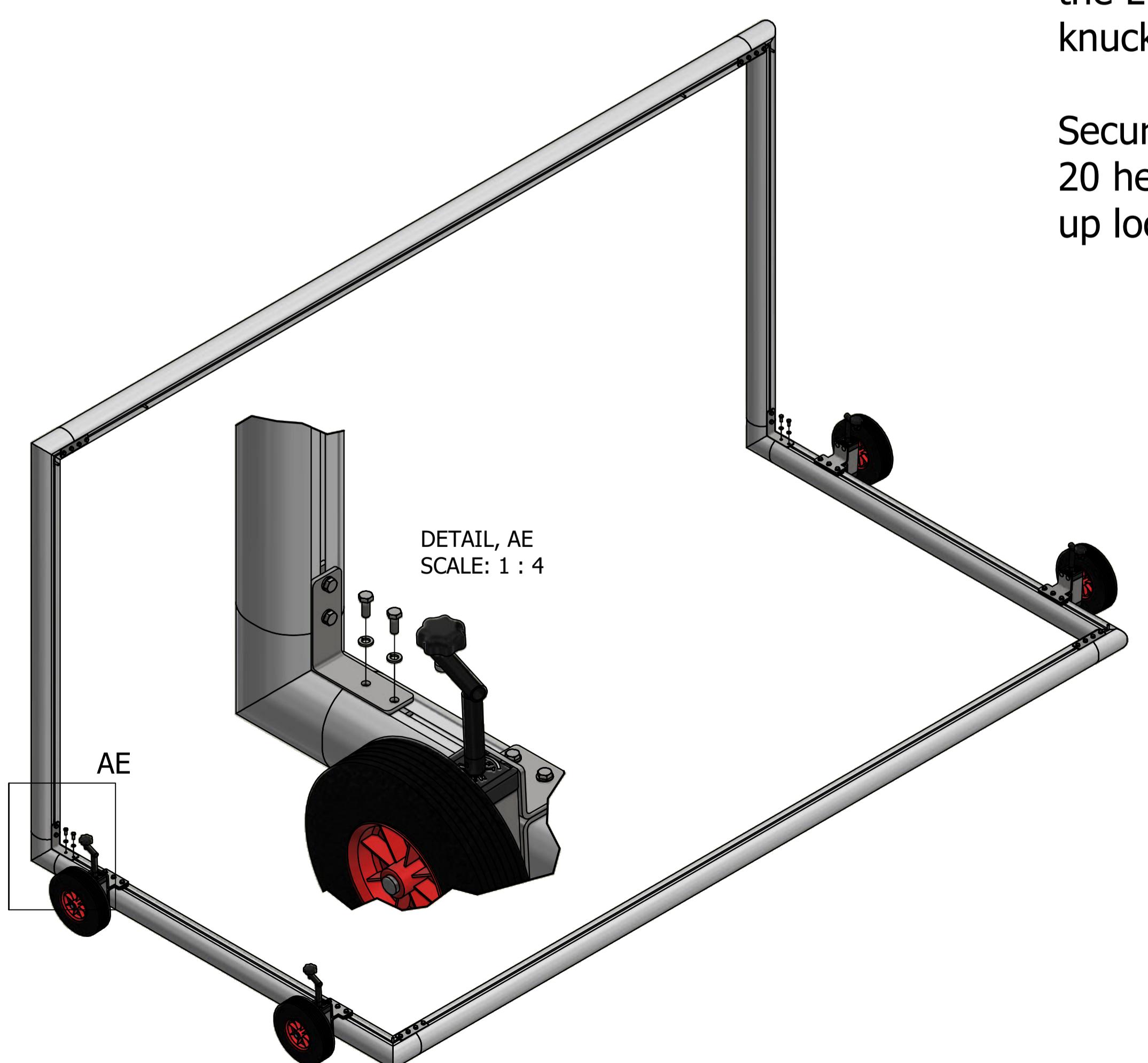


51 VIEW

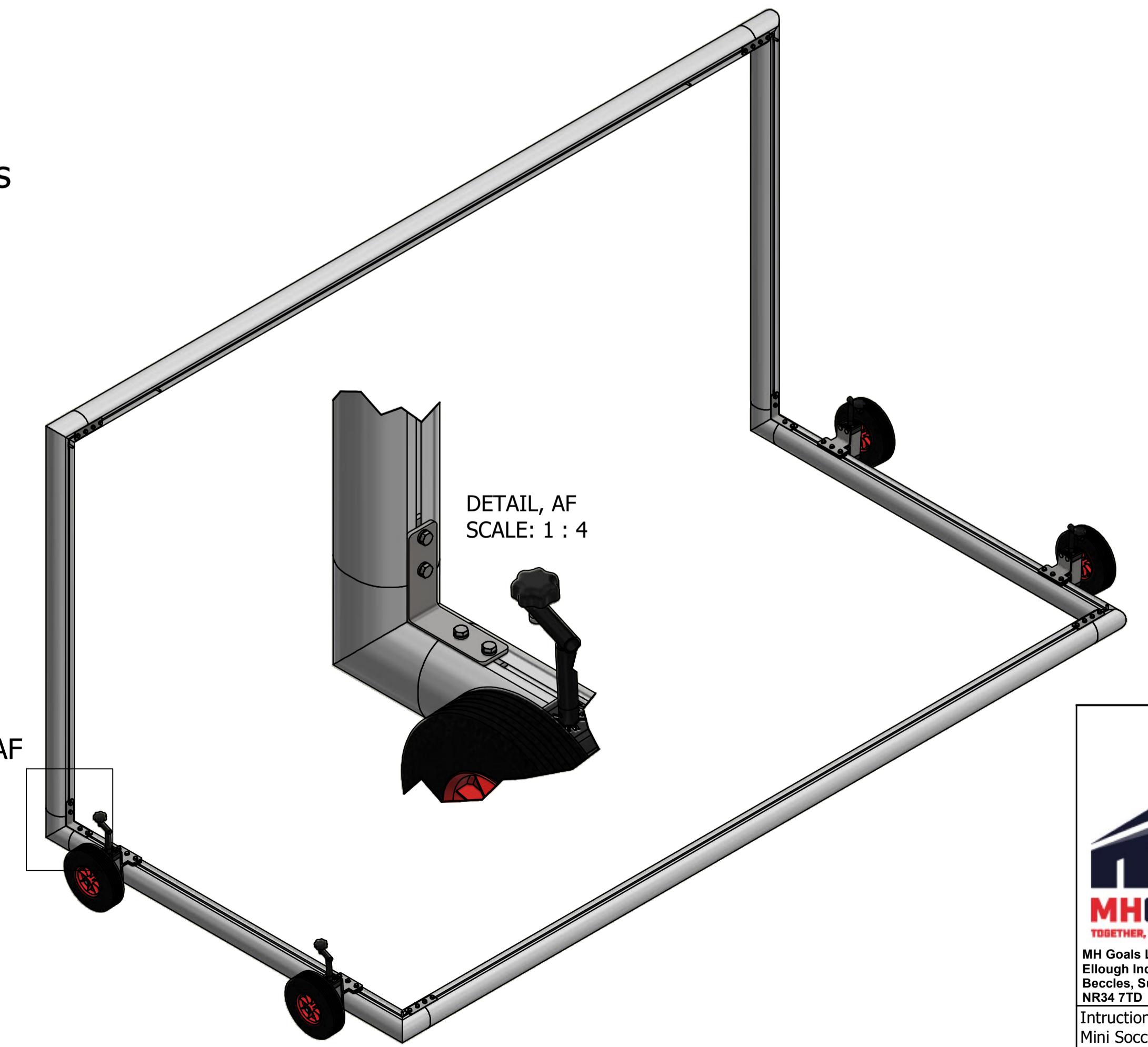
### Step 12 -

With a minimum of two people, lift the uprights and crossbar assembly from the previous steps and slide it onto the front knuckle as shown in Detail AC. Adjust the L bracket so that it sits in the channel of the front knuckle and runback as shown in Detail AD.

Secure in position using M8 spring washers and M8 x 20 hex head bolts as shown in Detail AE so that it ends up looking like Detail AF.



52 VIEW



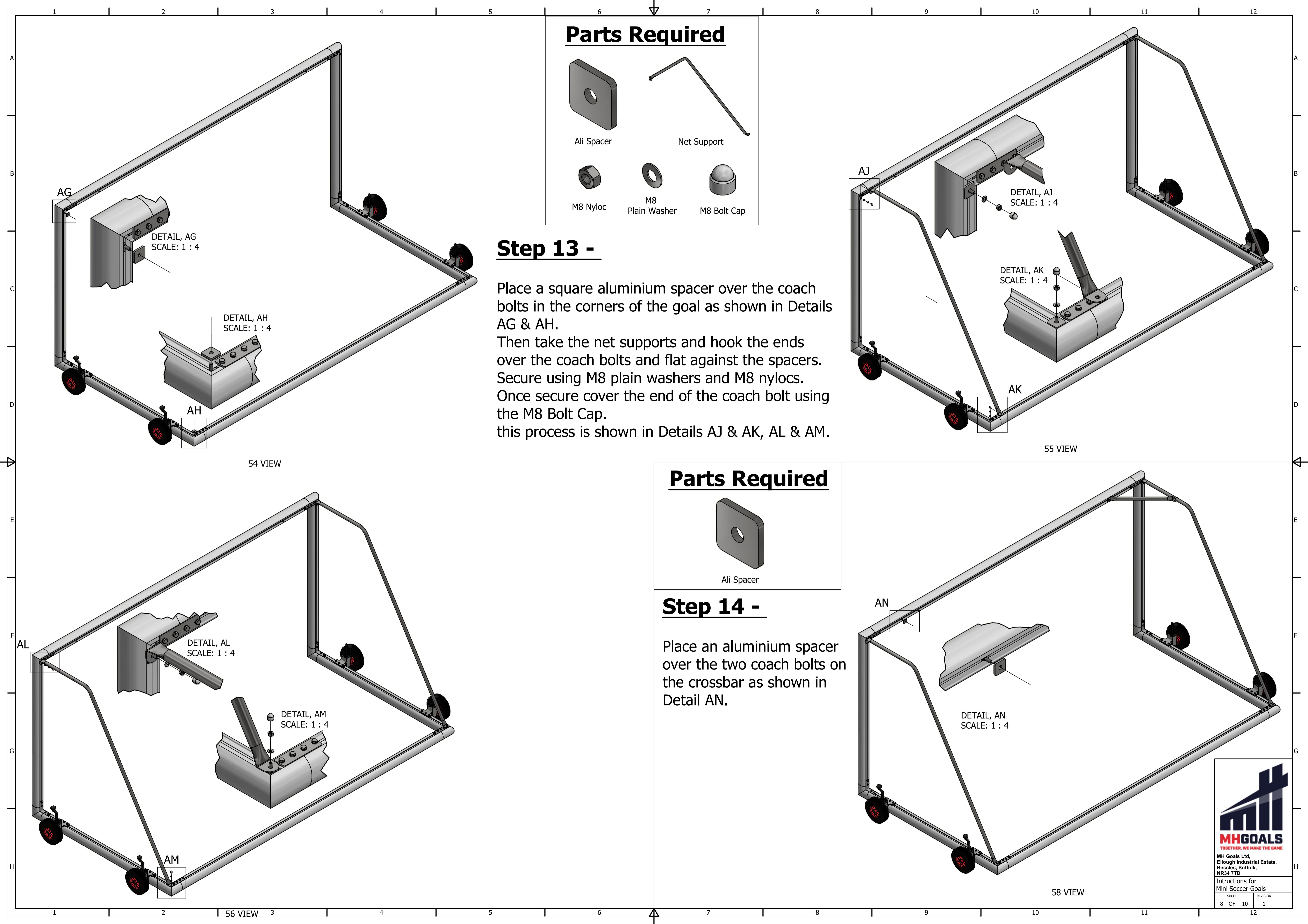
53 VIEW



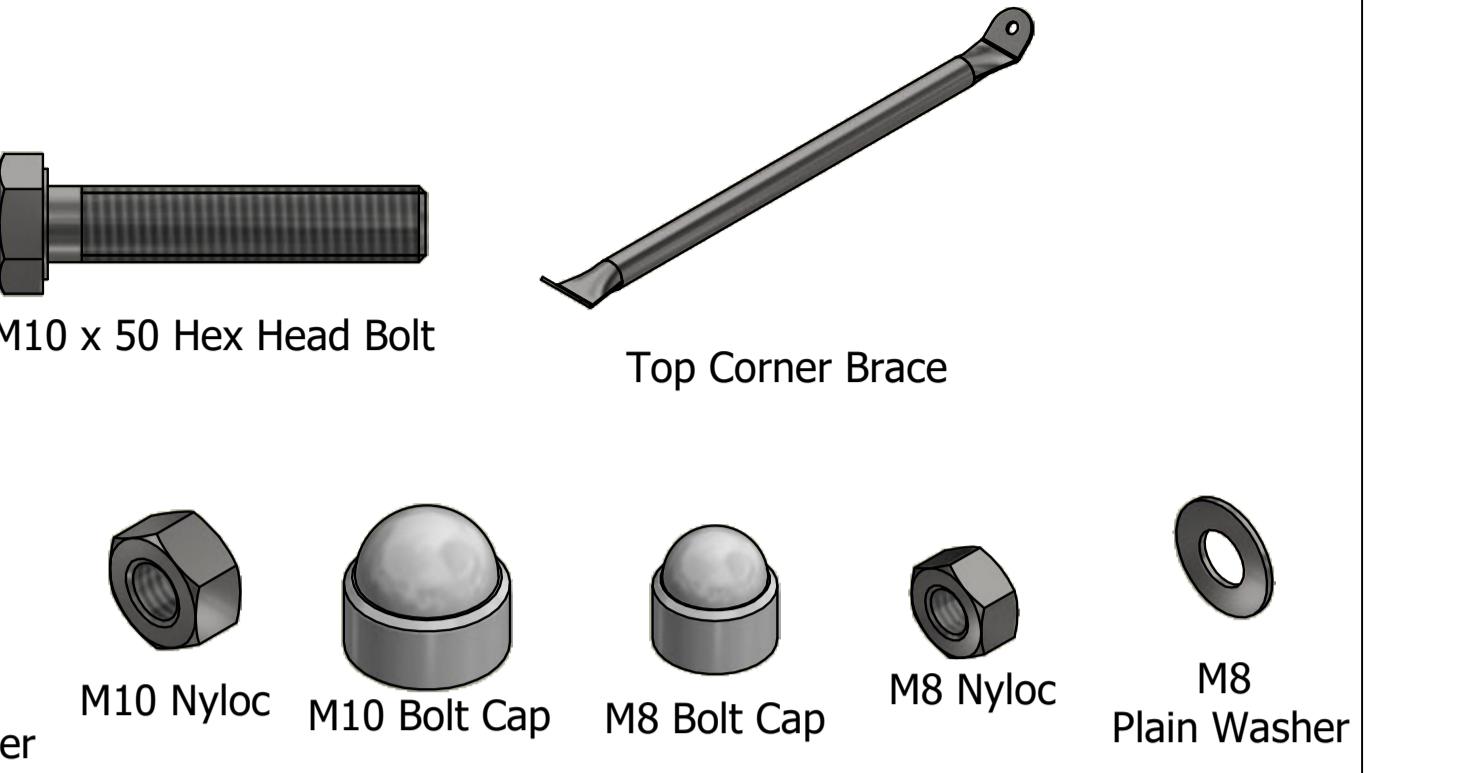
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## Parts Required

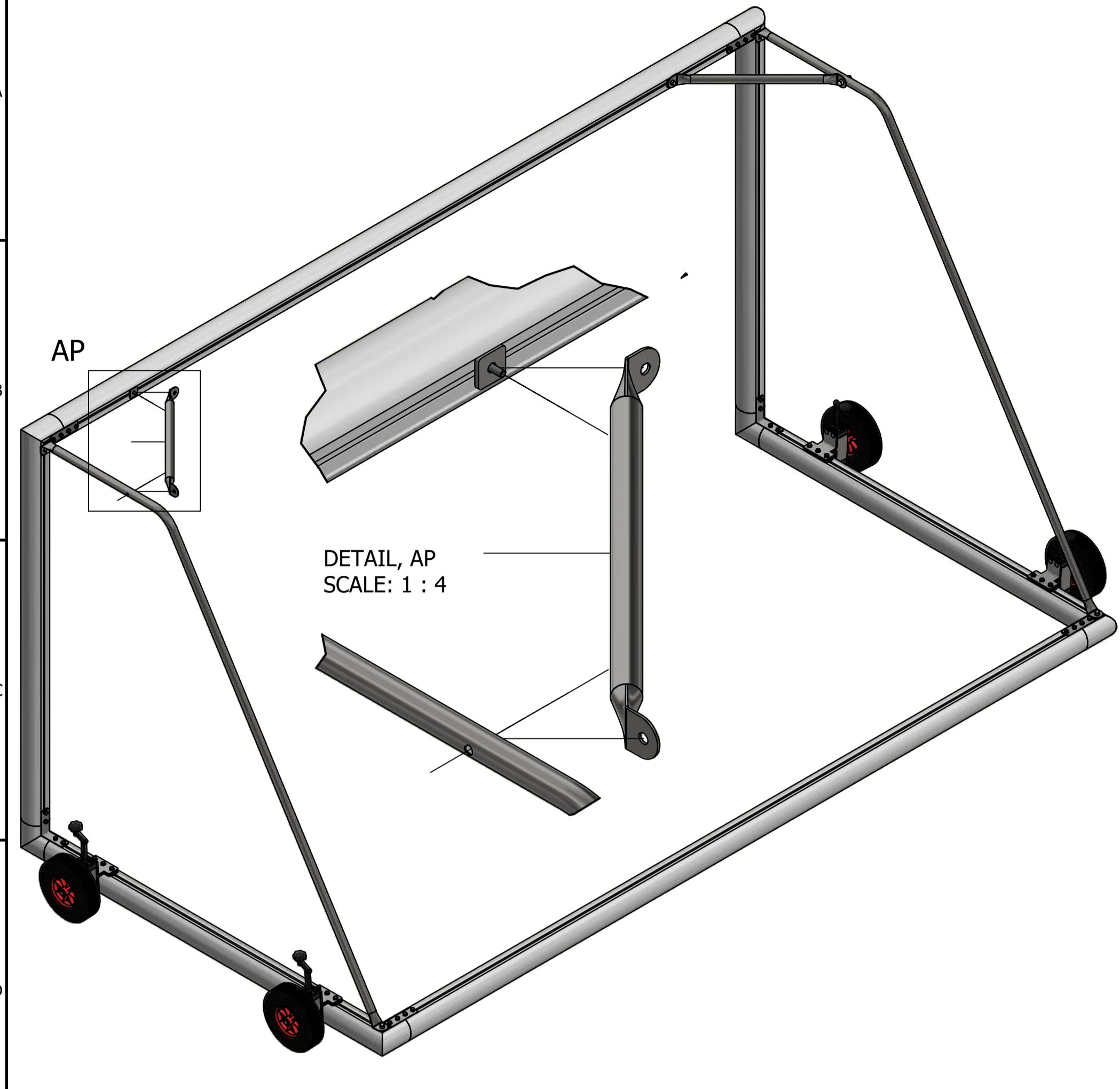


### Step 15 -

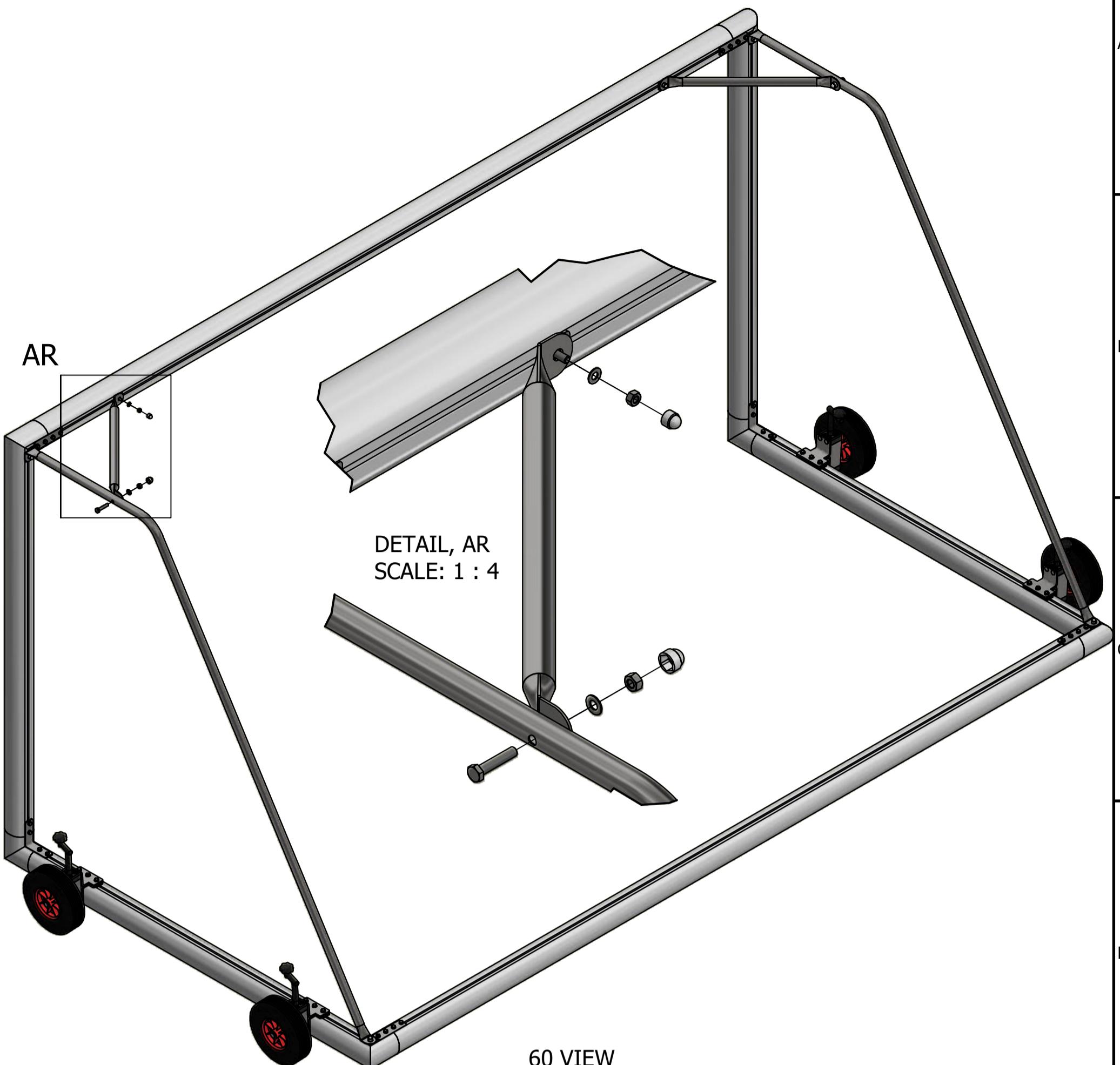
Take the top corner brace, hook one end over one of the coach bolts on the cross bar and line it up with the hole in the net support as shown in Details AP & AR.

To secure the brace in position, place an M10 x 50 bolt through the net support from the outside of the goal, through the flat section of the brace and secure using an M10 plain washer and Nyloc, covering with an M10 bolt cap as shown in Details AR & AS.

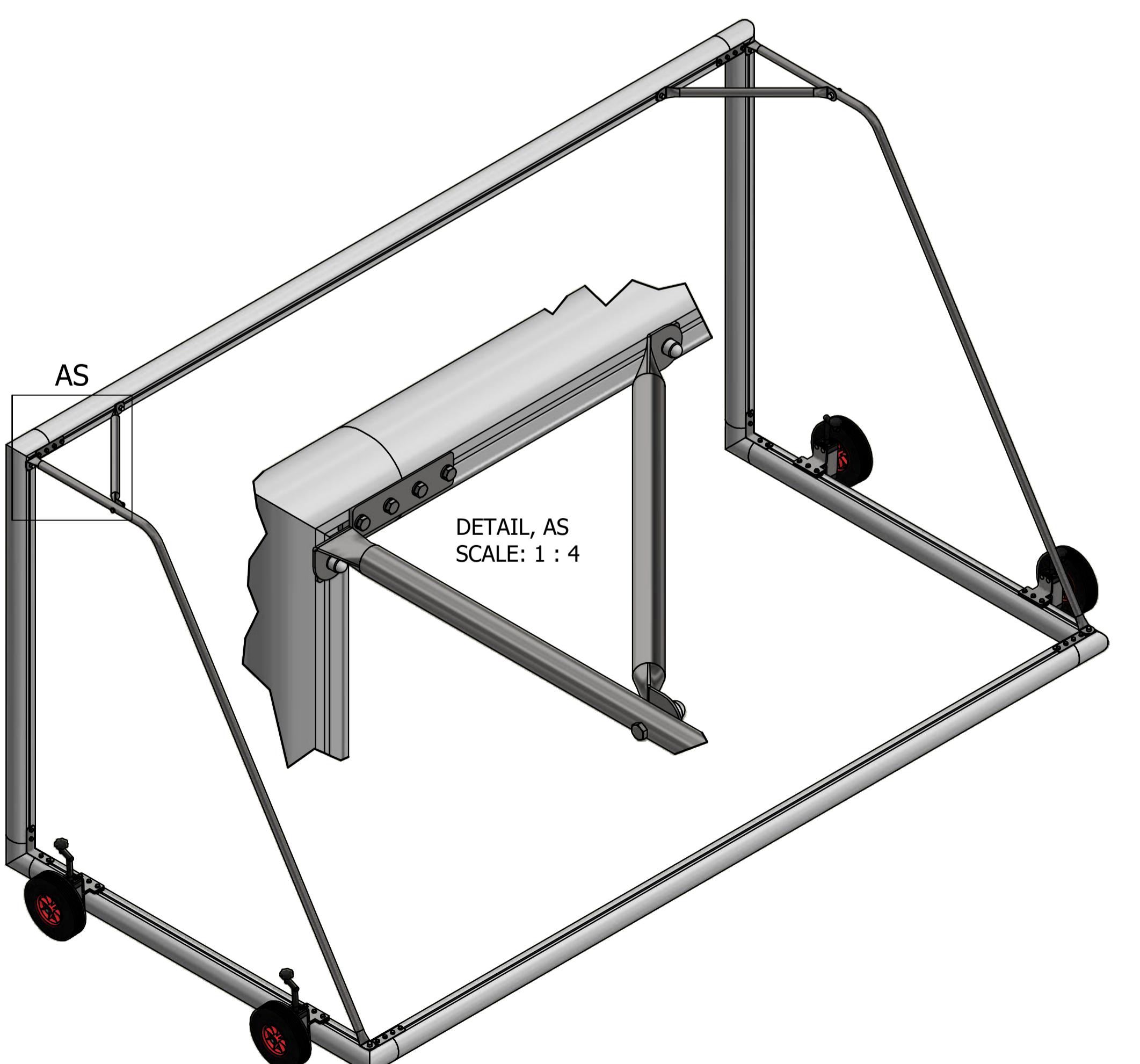
To secure the other end of the brace use an M8 plain washer and M8 nyloc, covering with an M8 bolt cap as shown in Details AR & AS.



59 VIEW

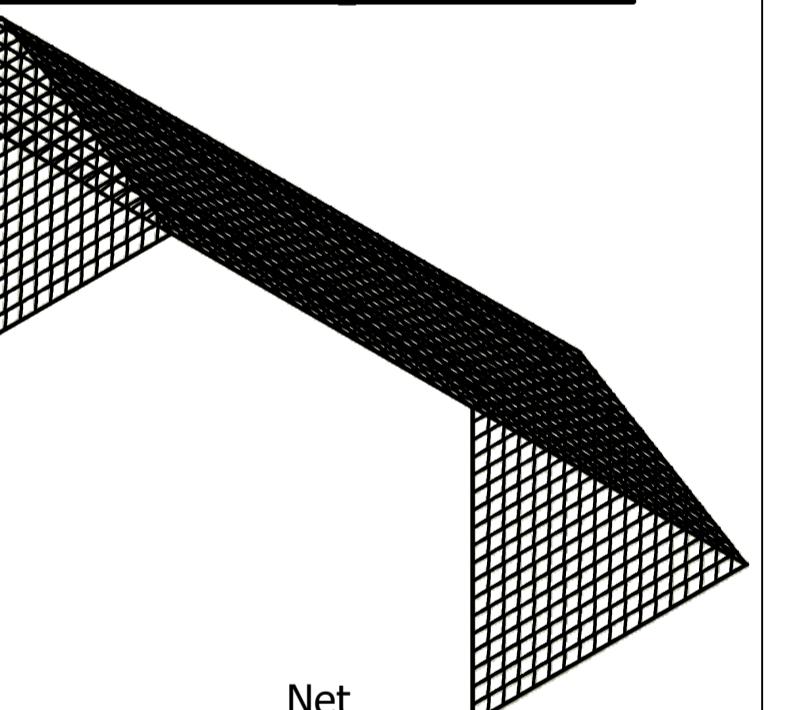


60 VIEW



61 VIEW

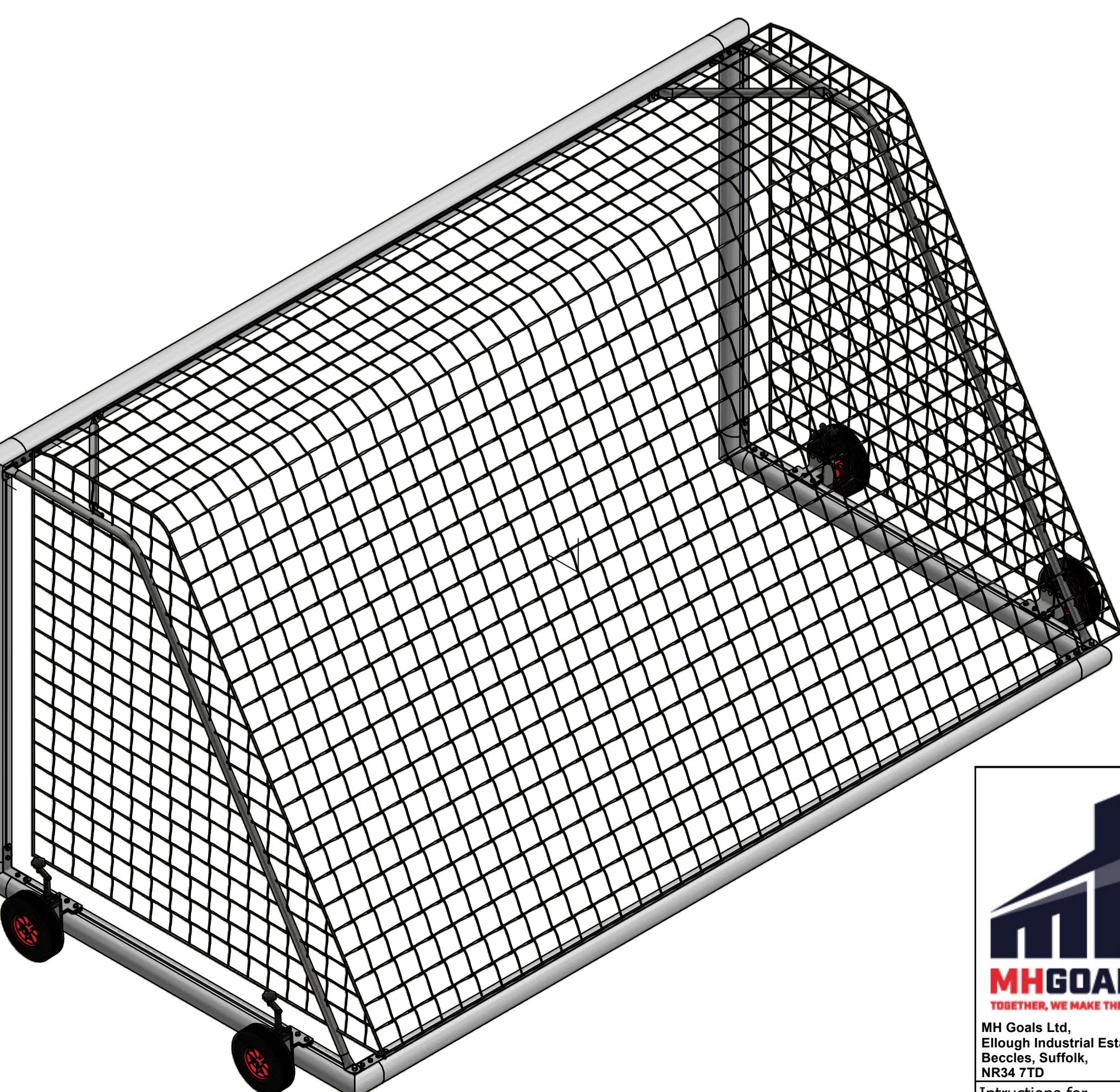
## Parts Required



### Step 16 -

Place the net over the goal, making sure to go over the net supports and braces.

Push the selvedge (thicker edge) of the net into the deepest section of the groove in the aluminium.

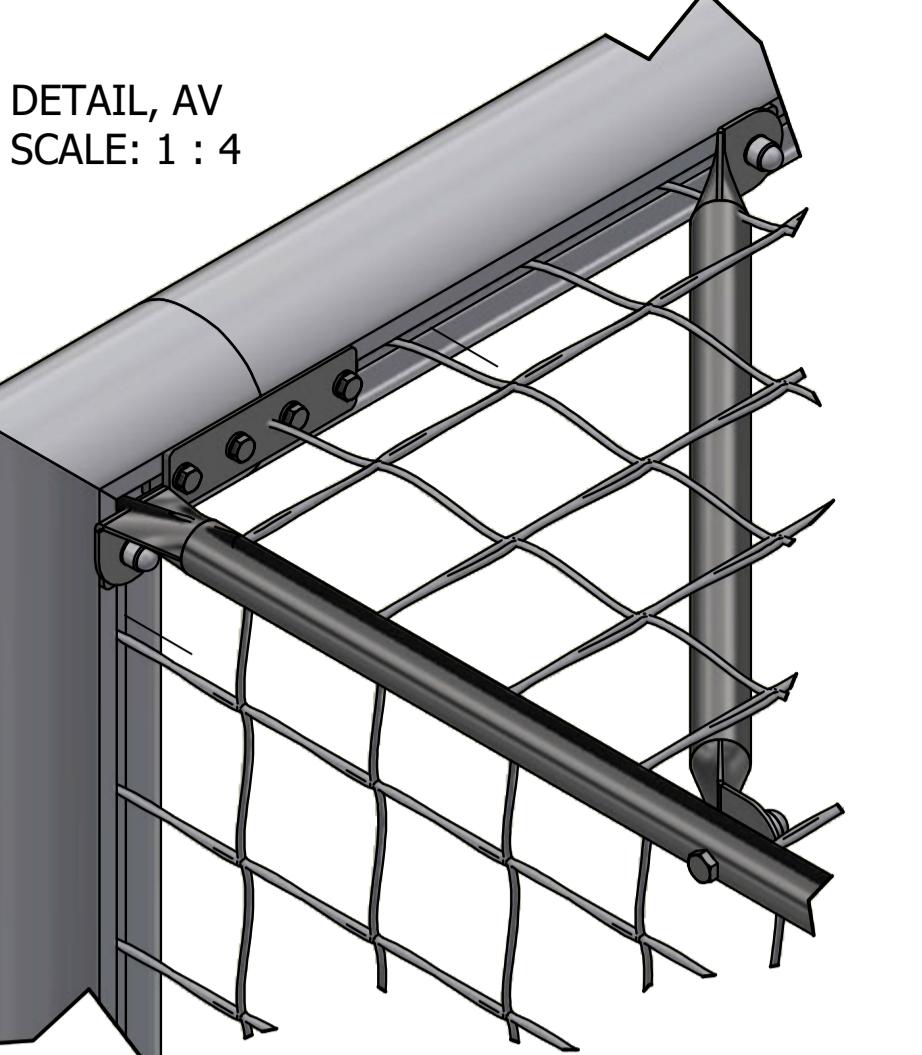
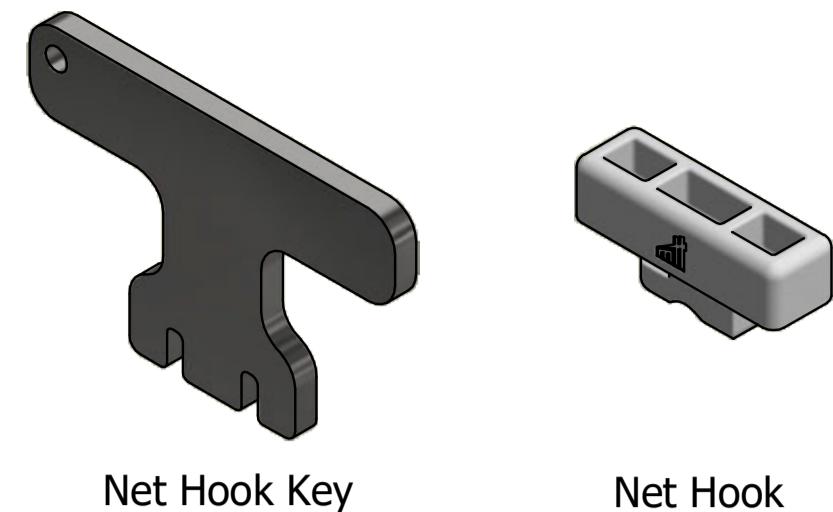


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## Parts Required



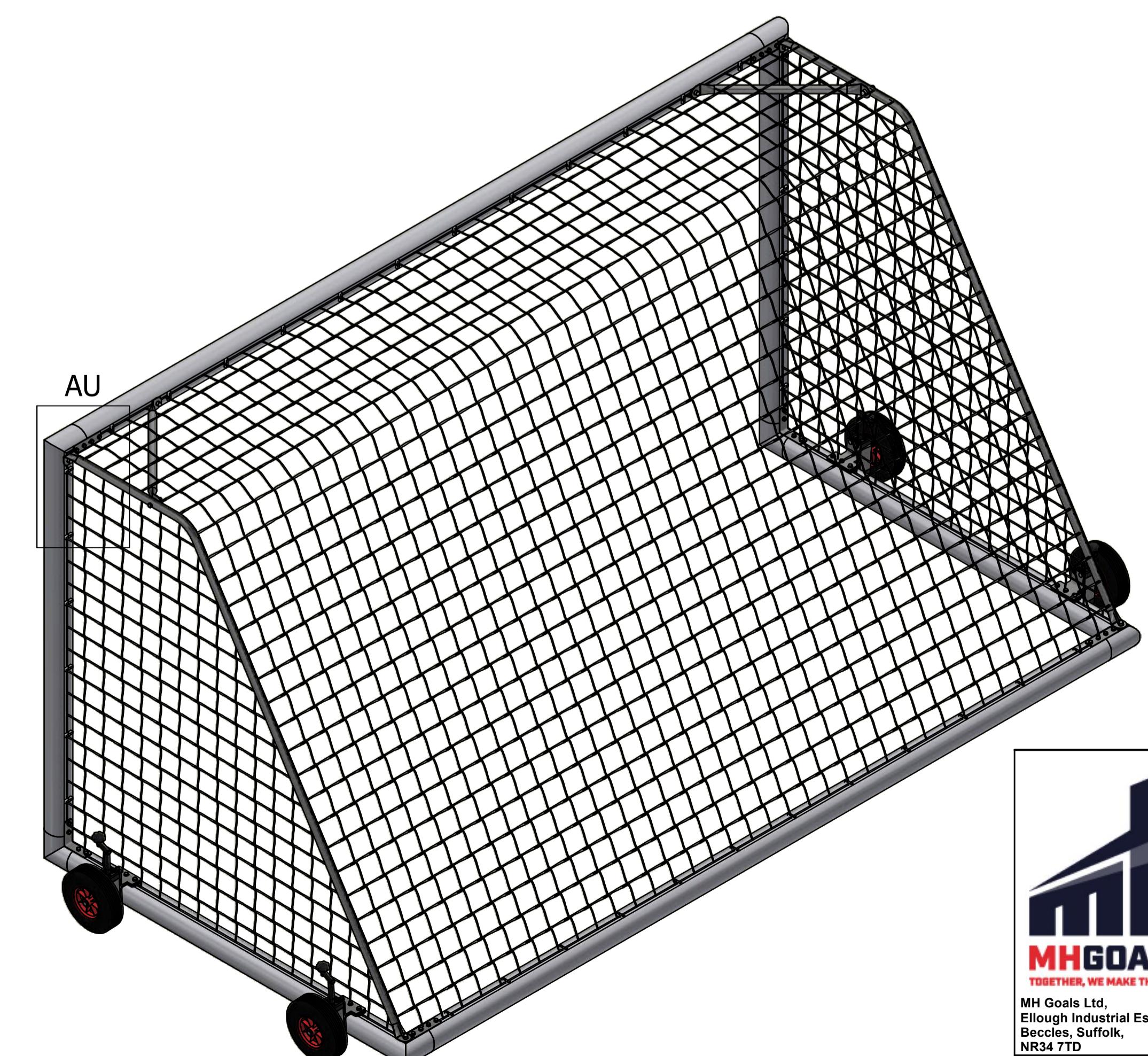
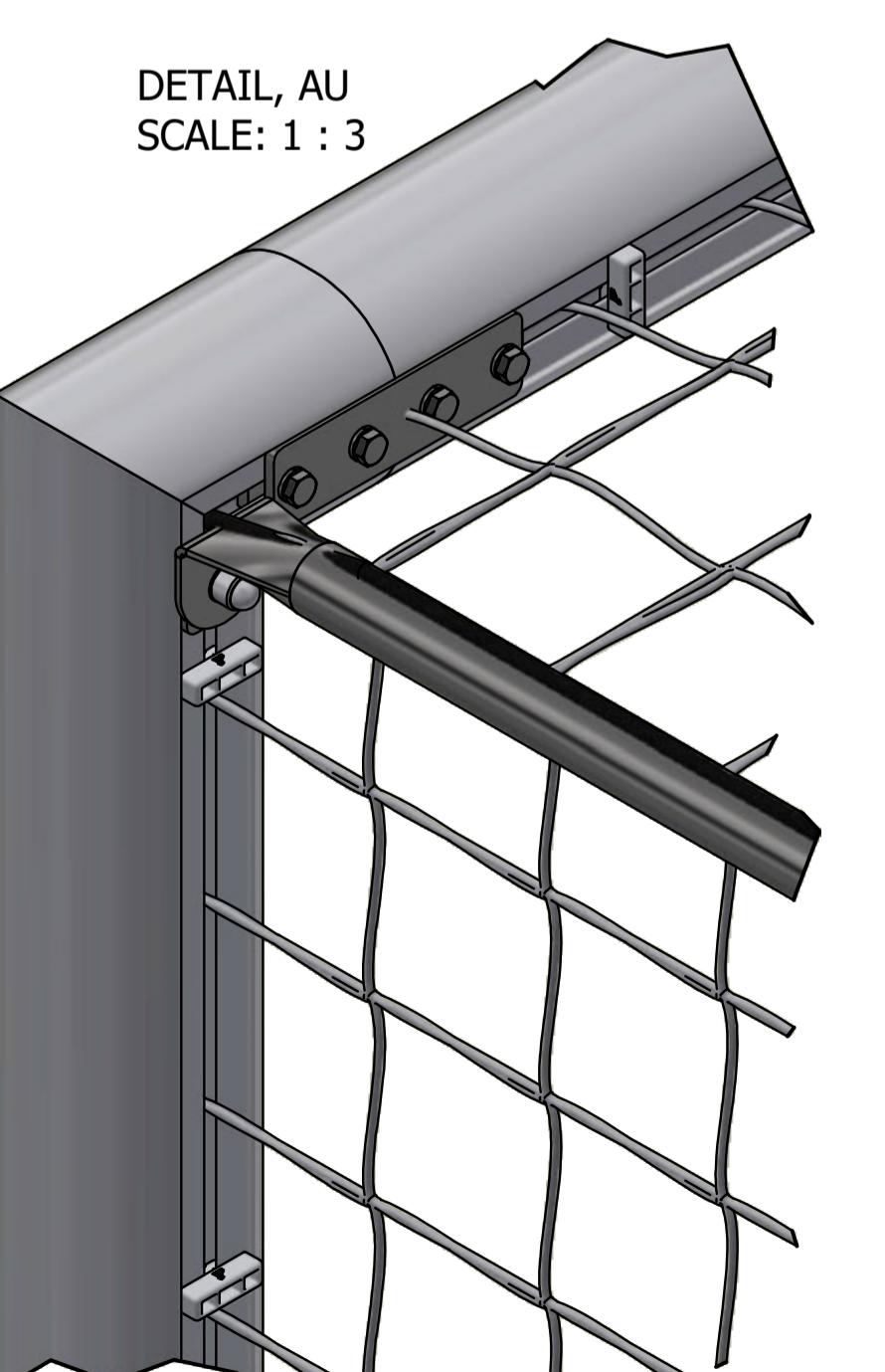
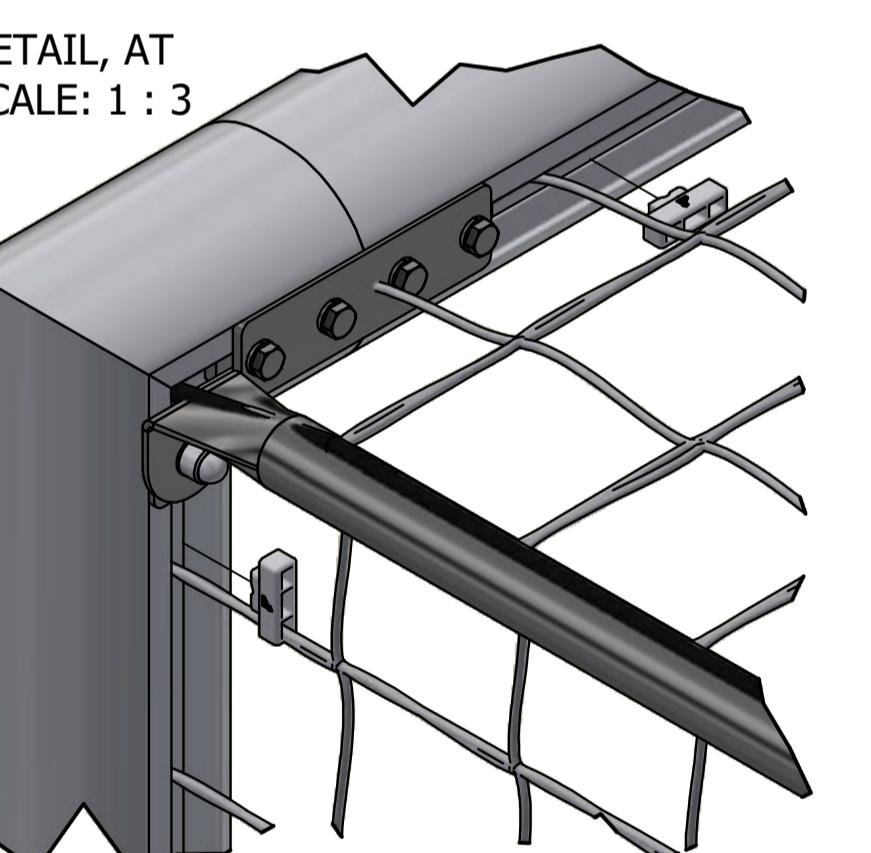
### Step 17 -

Once the selvedge is in the groove as shown by Detail AV, secure the net in place using the supplied net hooks and net hook key.

To do this place the net hook key into the keyed section on the back of the net hook and place the small section on the bottom of the net hook into the channel in the orientation shown in Detail AT. Notice that the uprights and crossbar hooks are in a different orientation so that they match the thin section of the groove.

Then using the key rotate the net hook 90° so that they are locked in place and now have the wider section at the top almost filling the widest part of the channel as shown in Detail AU.

Repeat this process roughly every 300mm or every 3rd mesh as shown in Detail AU.



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