Mister Blocks

FREE LEGO BUILDING INSTRUCTIONS · PDF

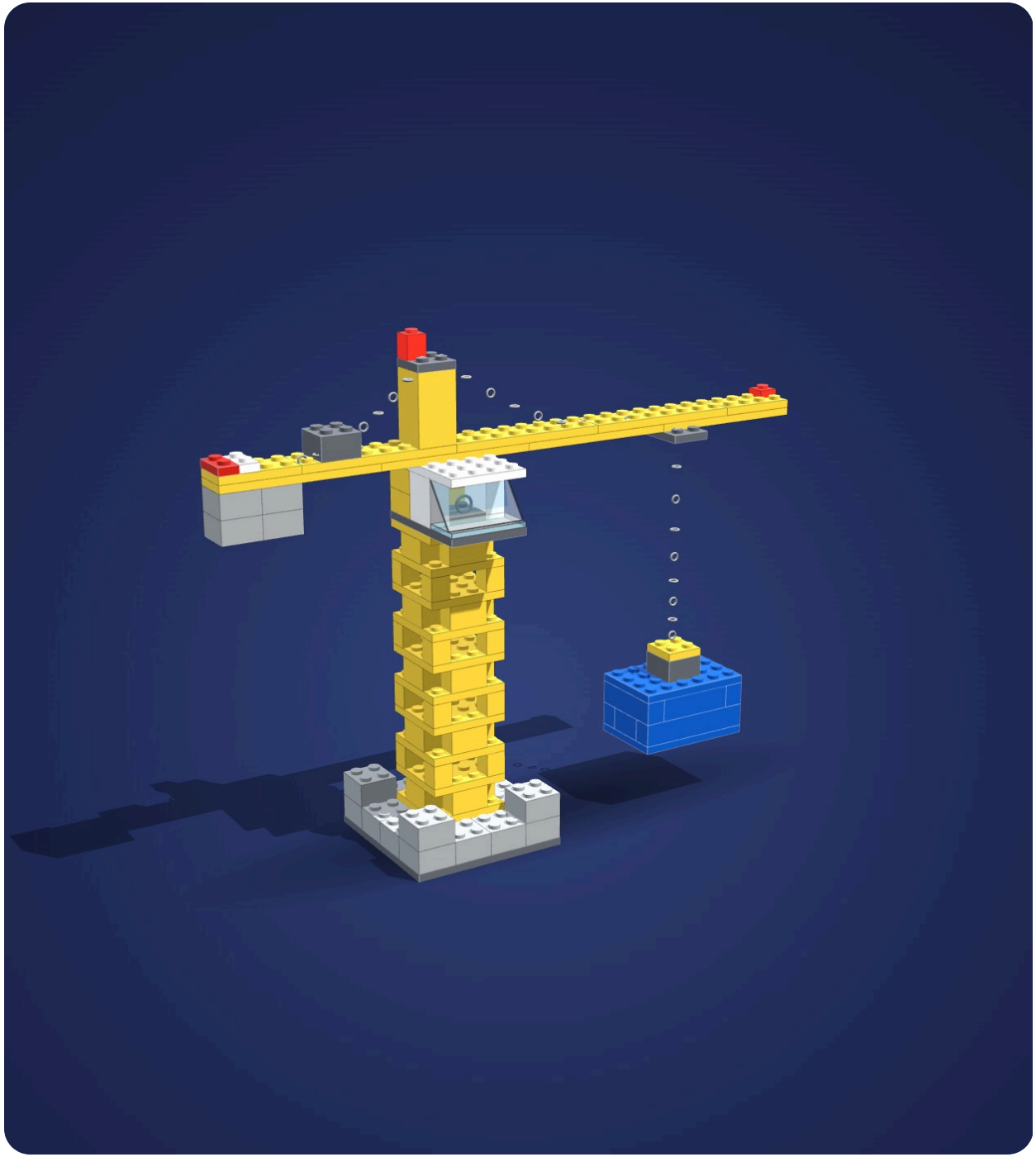
Sky Hook Tower Crane

A tall yellow tower crane with an operator cab, a long jib, concrete counterweights and a real chain lifting a blue shipping container.

Free LEGO Sky Hook Tower Crane instructions as a printable PDF: a fan-made LEGO MOC built from 112 standard LEGO pieces in 12 steps, with the pieces for every step and a full parts list.

Build it in 3D, step by step:
misterblocks.com/builds/sky-hook-tower-crane-lego-build

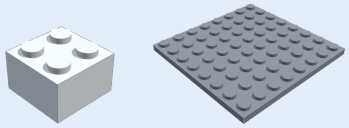
112	12	28
PIECES	STEPS	KINDS OF PIECE



An unofficial fan build. All standard pieces; any similar colour works. Every stud is checked. LEGO is a trademark of the LEGO Group, which does not sponsor this site.

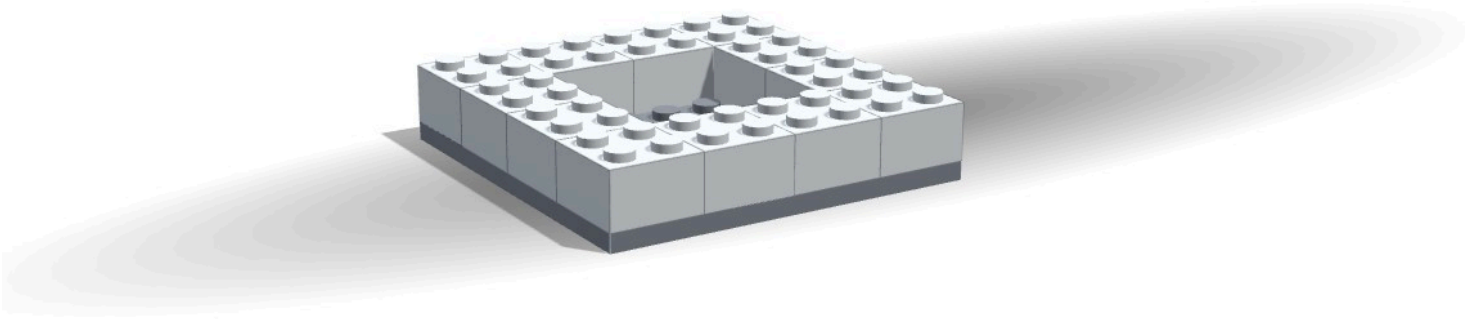
STEP

1



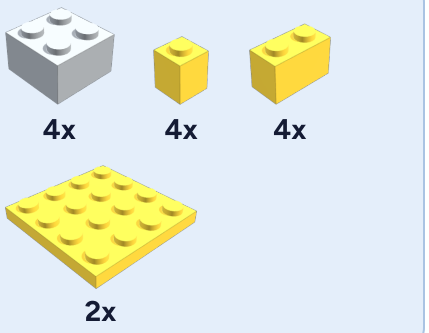
Ballast base

A dark 8×8 plate with a ring of light gray concrete blocks round the middle.



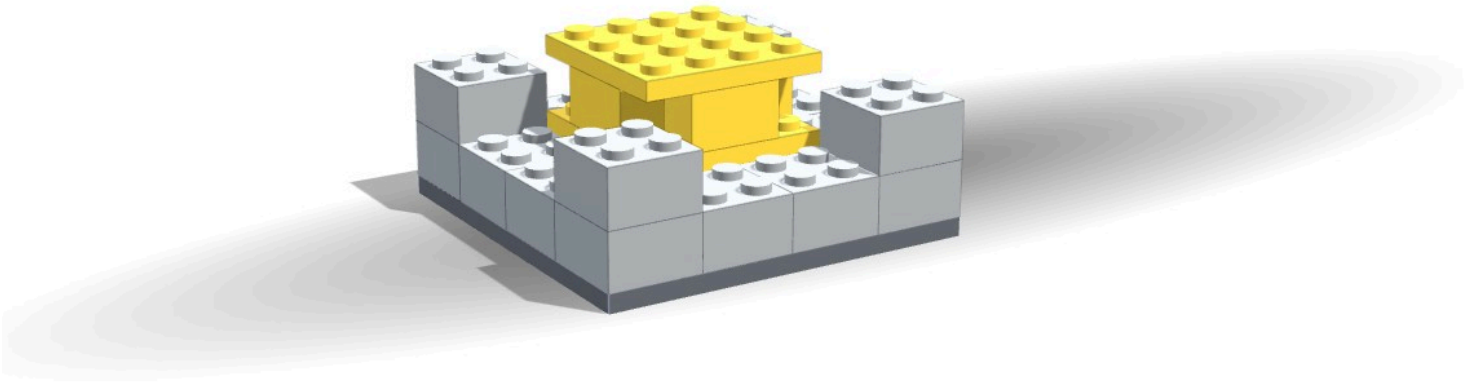
STEP

2



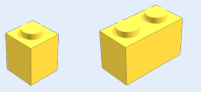
Mast foot

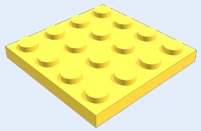
Two more blocks on the corners, then the first two mast sections: corner posts, a 4×4 plate, side posts, a plate.



STEP

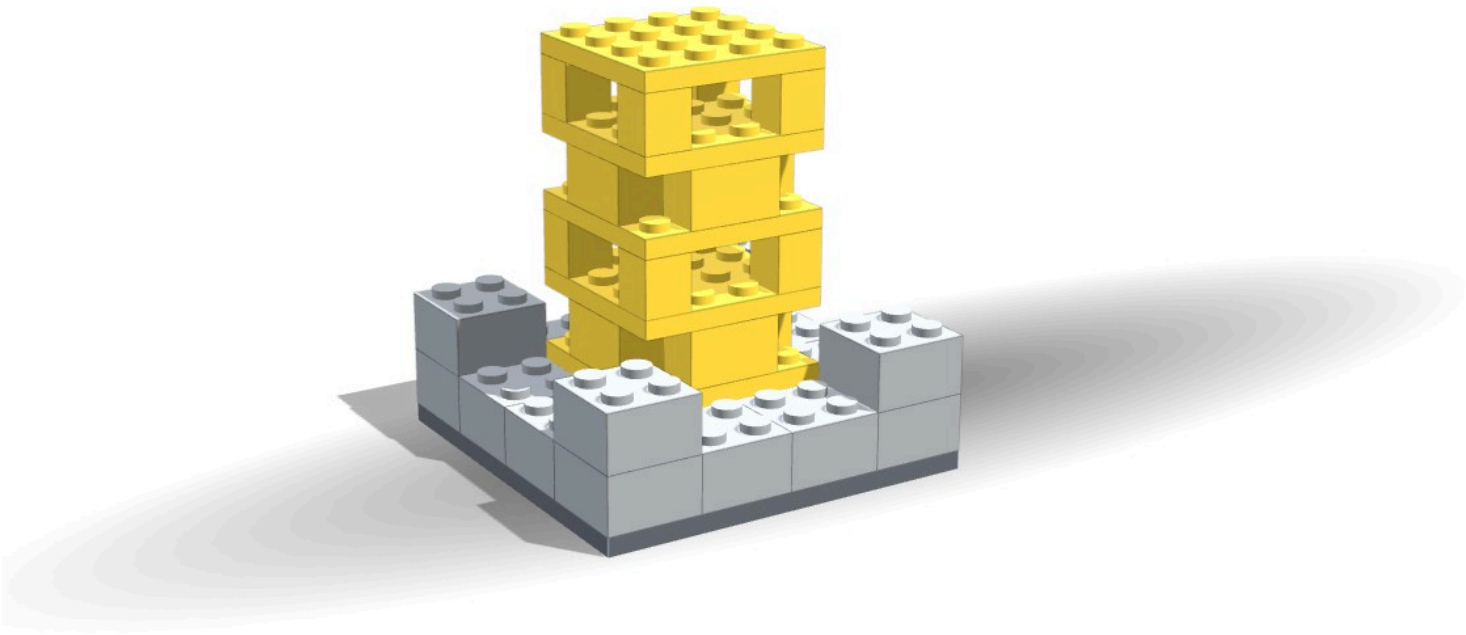
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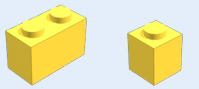
Mast, lower middle

Three more sections, alternating corner posts and side posts so every plate locks the posts under it.



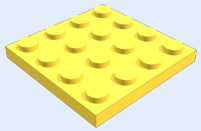
STEP

4



8x

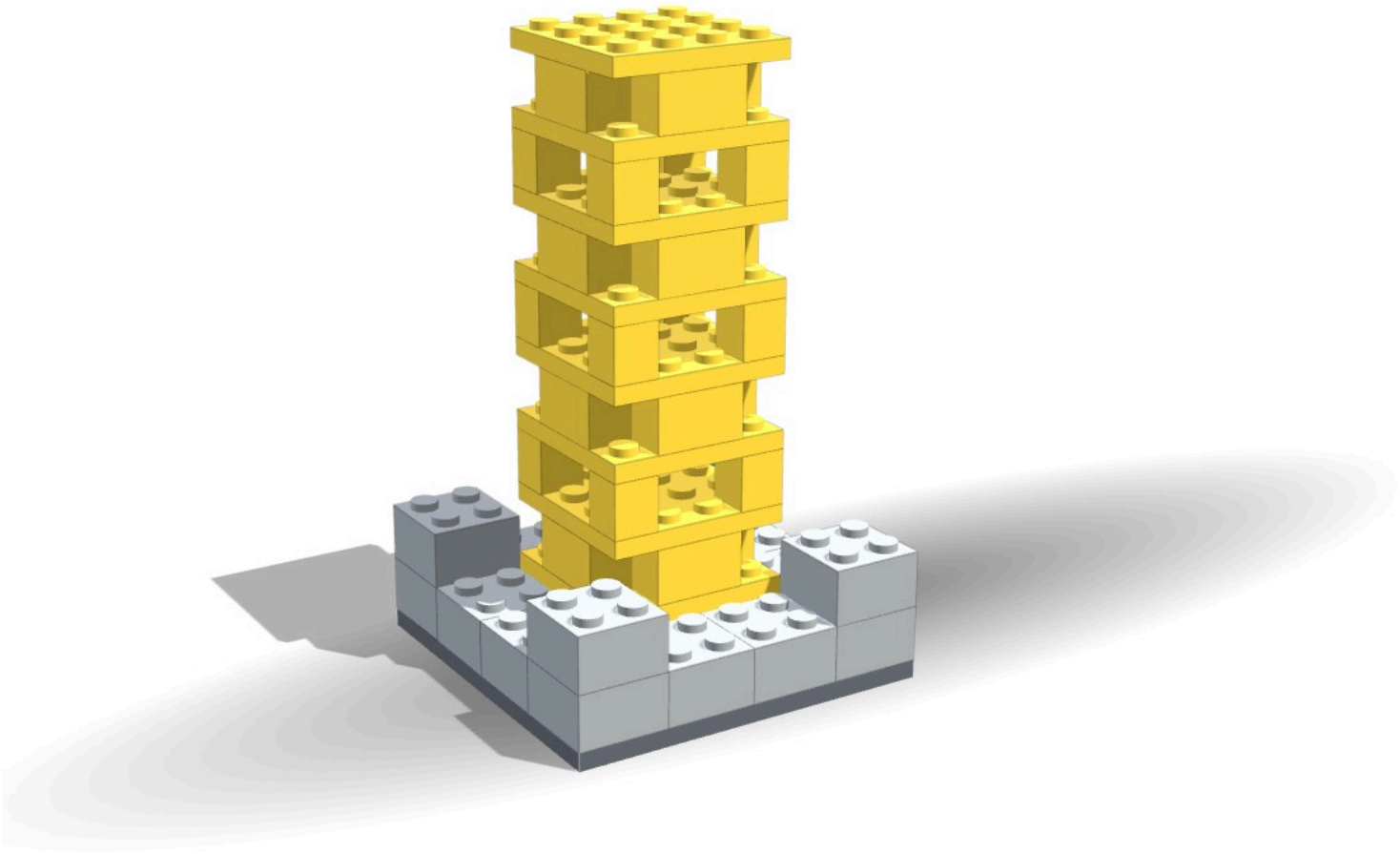
4x



3x

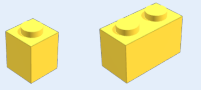
Mast, upper middle

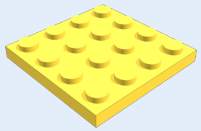
Three more sections in the same pattern.



STEP

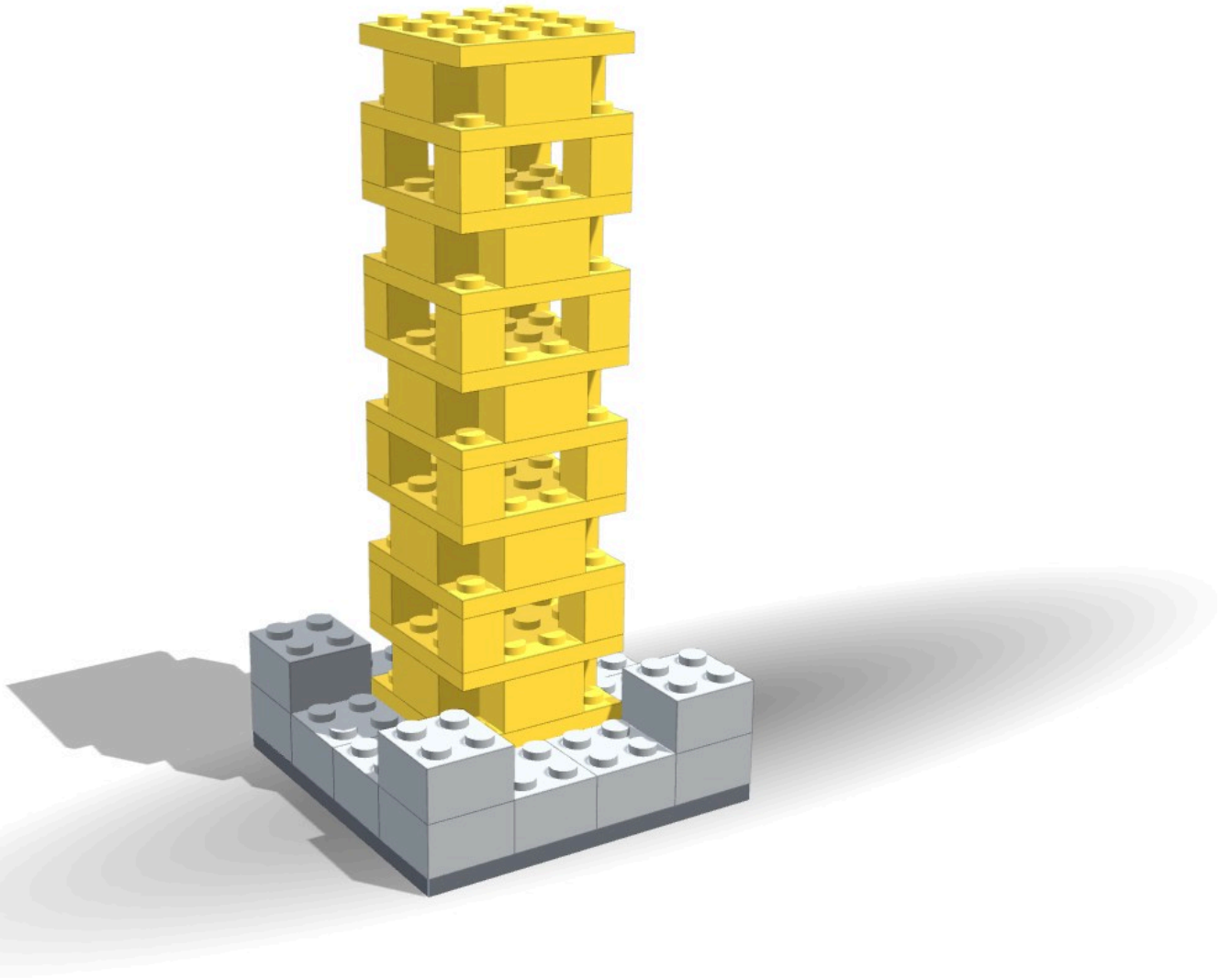
5





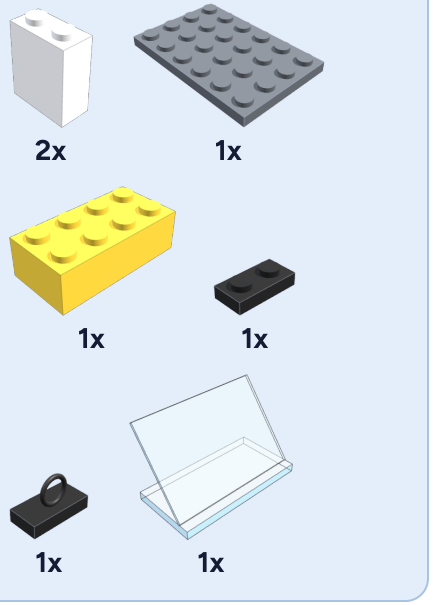
Mast, top

The last two sections: the mast now stands ten sections tall.



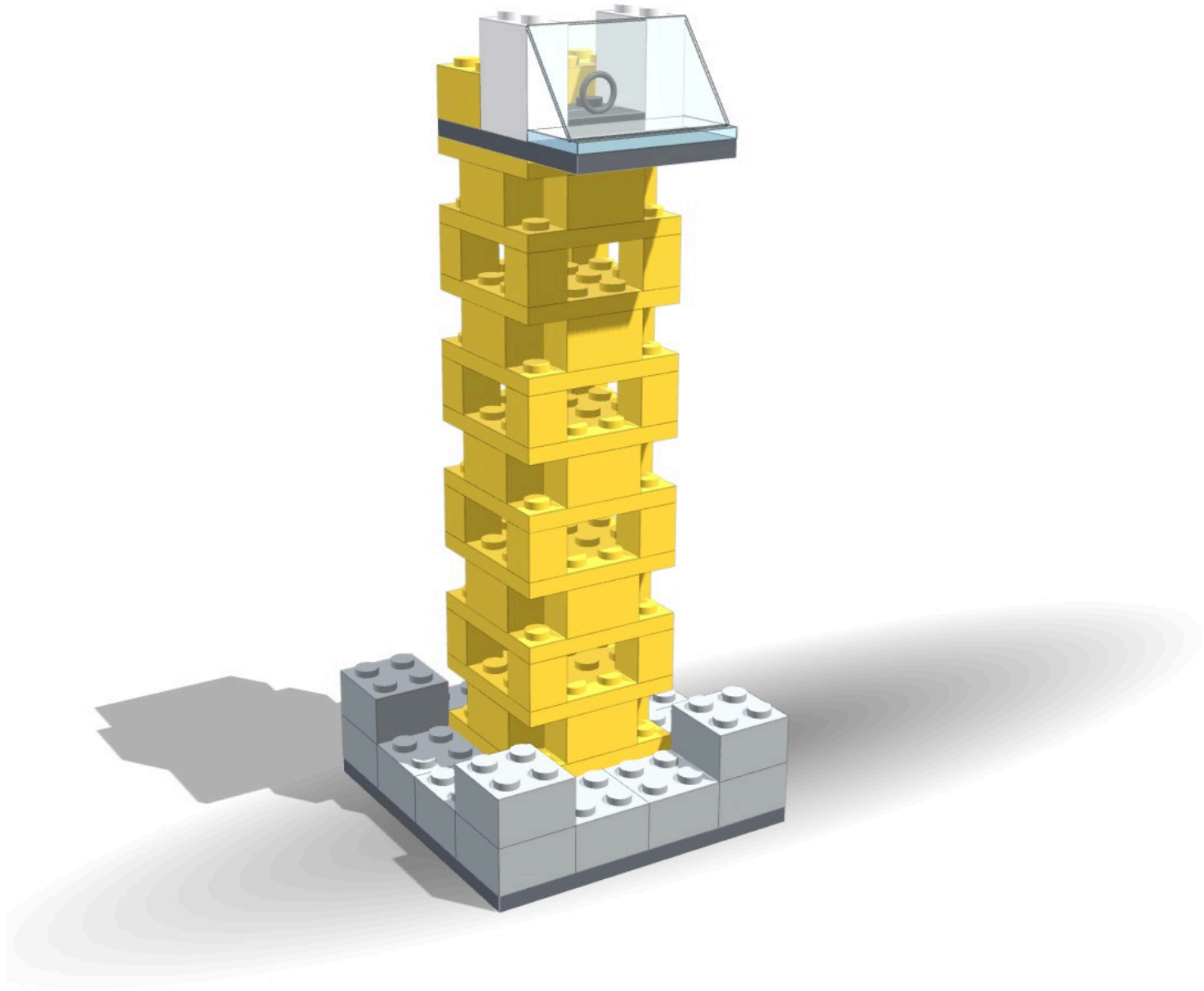
STEP

6



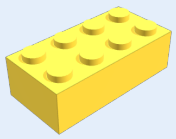
Slewing plate and cab

A dark plate on top of the mast, the yellow machinery block, white cab walls, a seat, the controls and the windscreen.

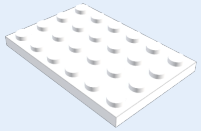


STEP

7



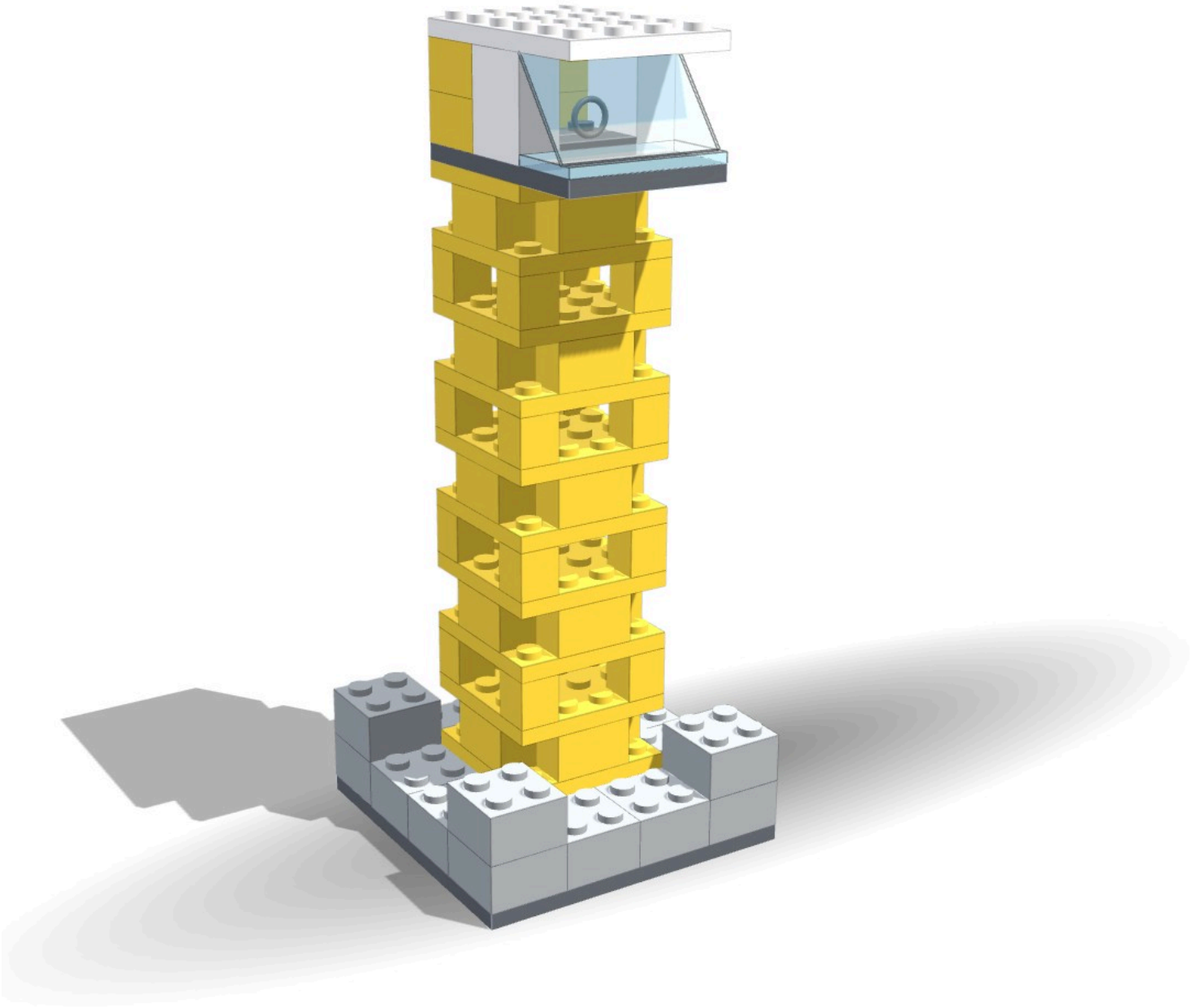
1x



1x

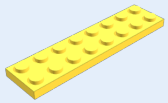
Cab roof

The second row of the cab and the white roof that the jib will sit on.



STEP

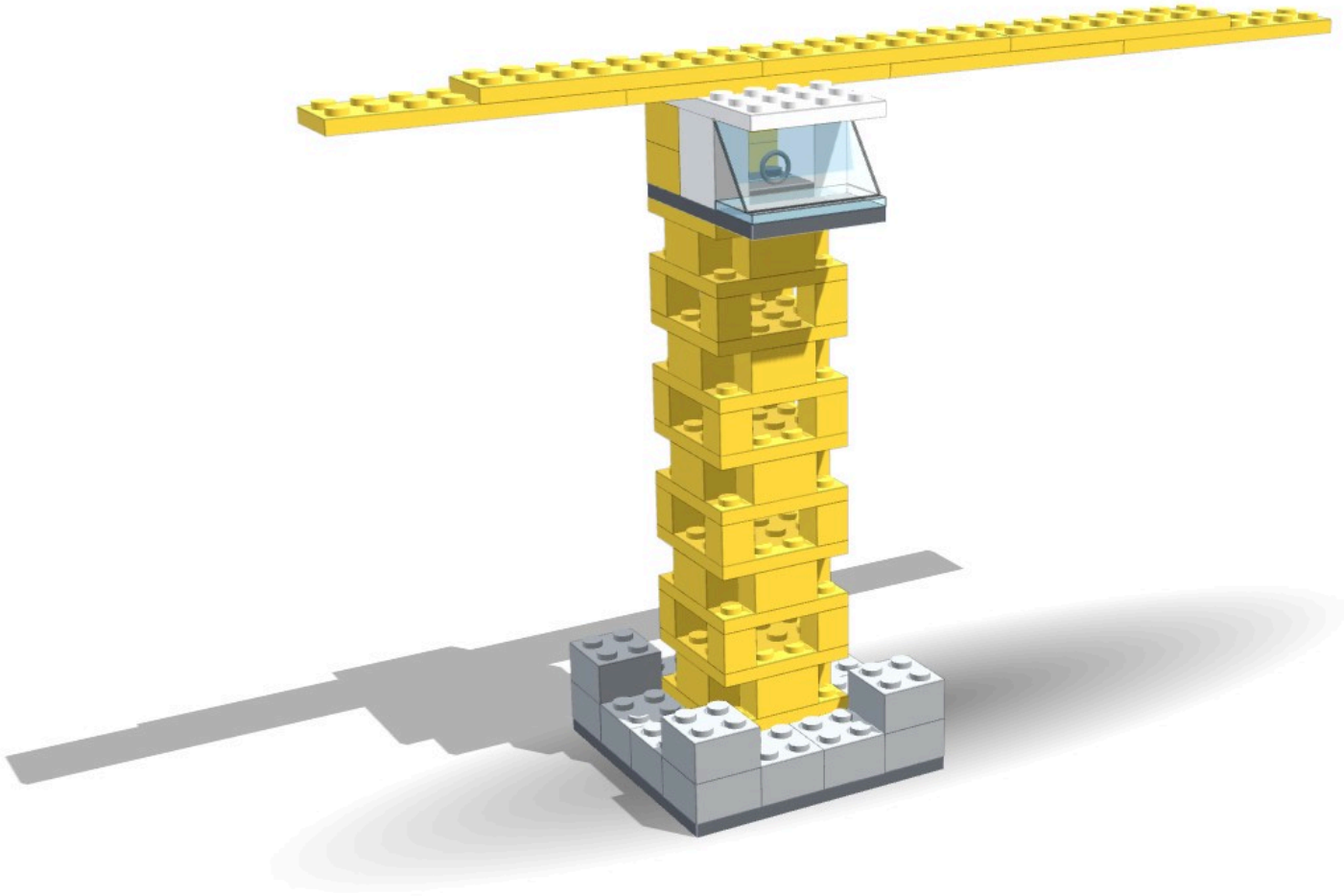
8



7x

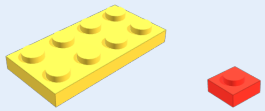
Jib, bottom layer

Four long 2×8 plates end to end: the long jib out to the right and the short counter-jib to the left.



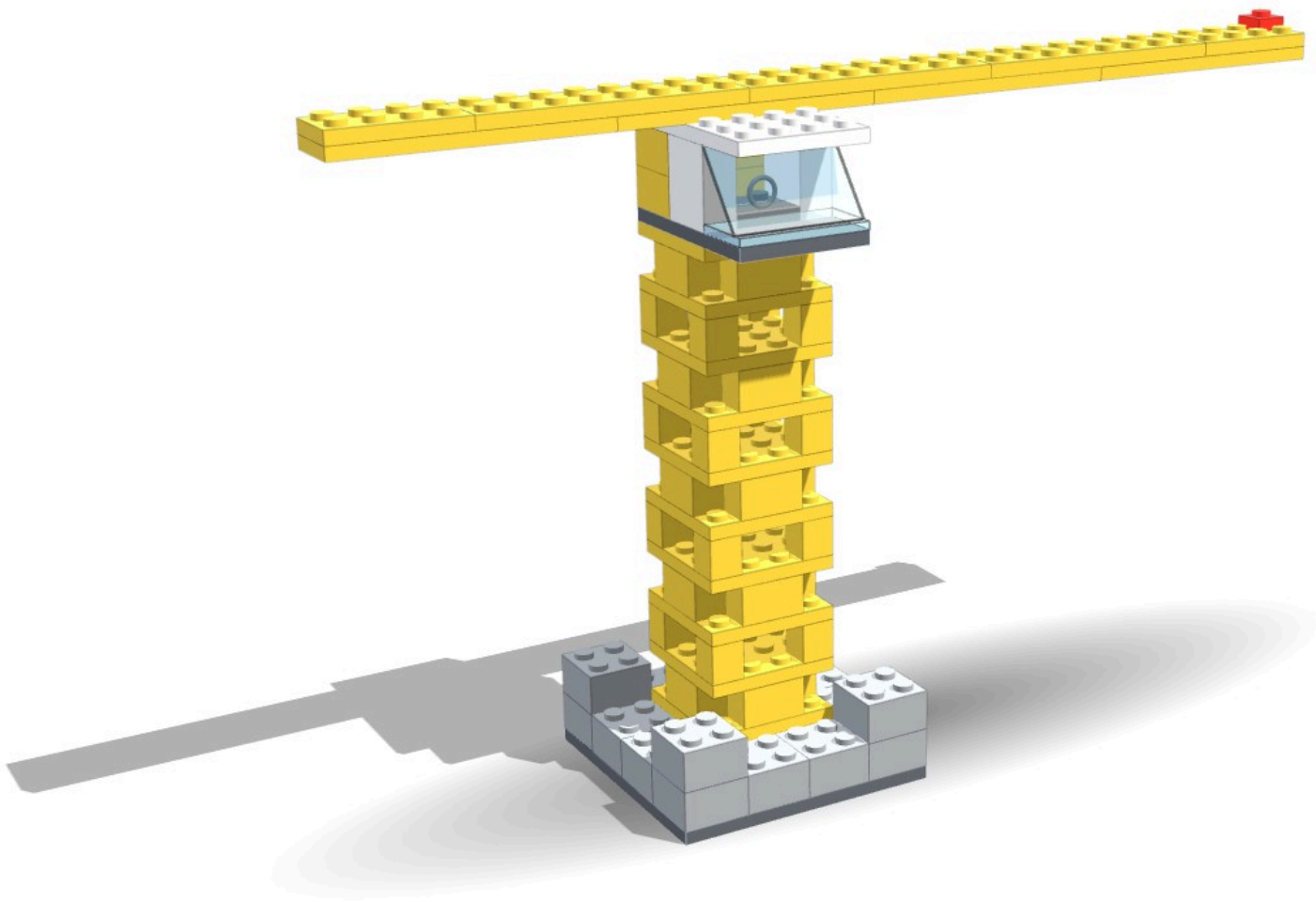
STEP

9



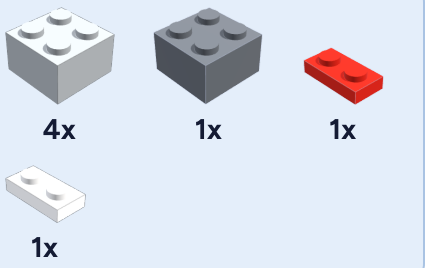
Jib, top layer

A second layer of plates with its joints shifted, so the long arm is stiff, and a red light on the tip.



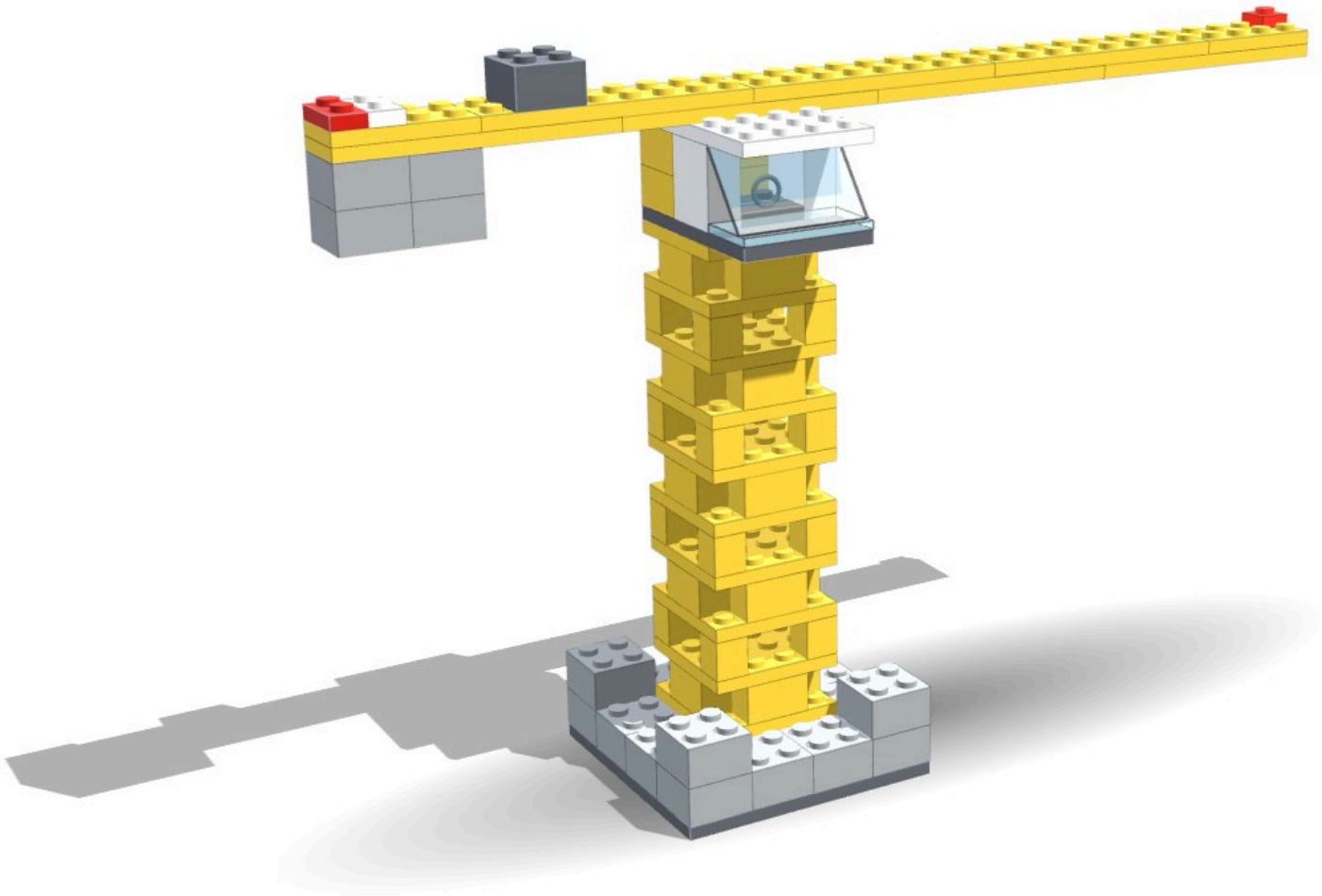
STEP

10



Counterweights

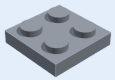
Four concrete blocks hang under the counter-jib to balance the load, plus the hoist winch and a red and white stripe.



STEP

11


2x

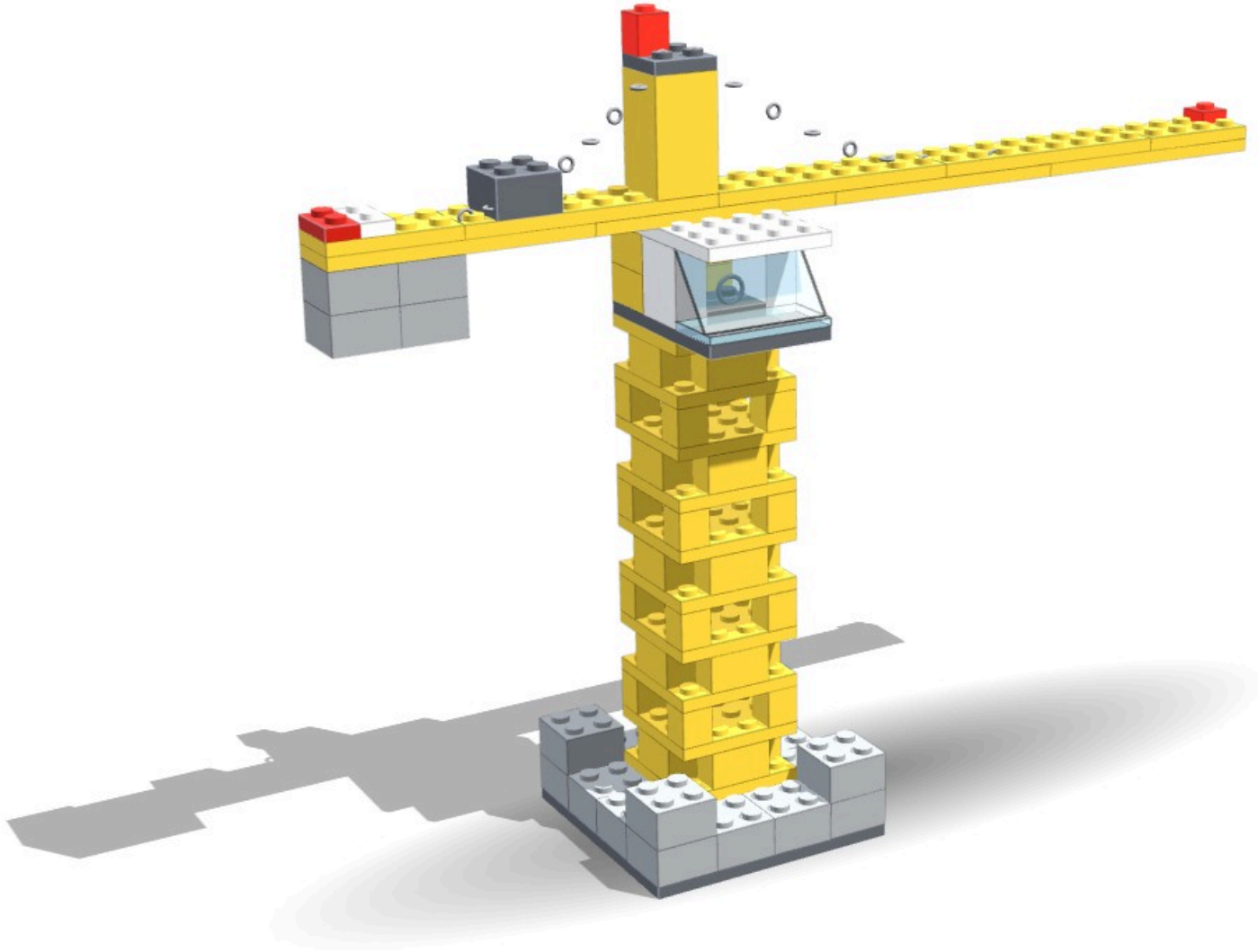

1x


1x


1x

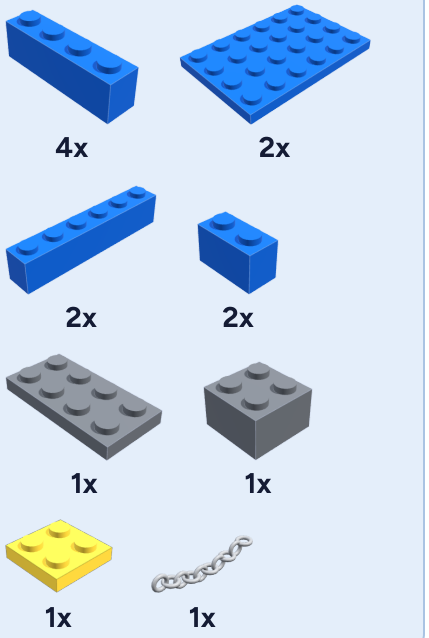
Apex and beacon

A yellow tower over the mast, the red warning beacon on top and two chain ties out to the jib and the counter-jib.



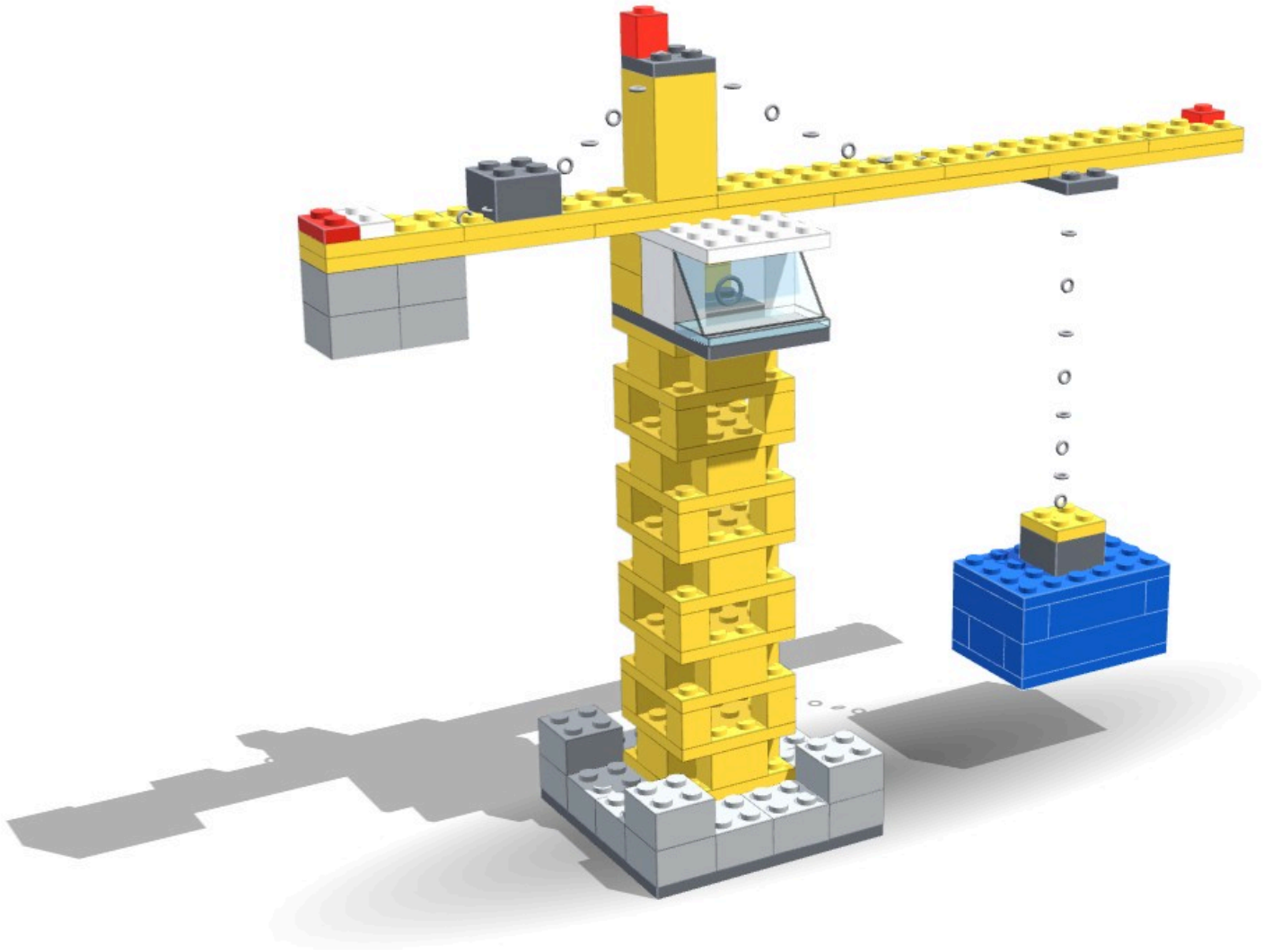
STEP

12



Shipping container

A blue container: a floor plate, two staggered rows of bricks and a roof plate.



Parts list

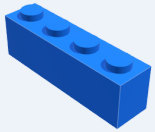
112 pieces, 28 kinds. Any similar colour works.



1x
1×2 plate, black



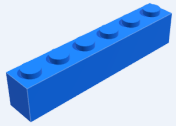
1x
steering wheel, black



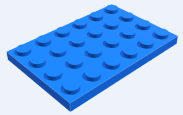
4x
1×4 brick, blue



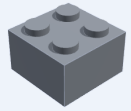
2x
1×2 brick, blue



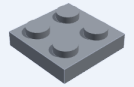
2x
1×6 brick, blue



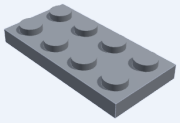
2x
4×6 plate, blue



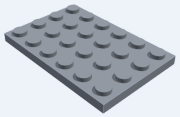
2x
2×2 brick, dark bluish gray



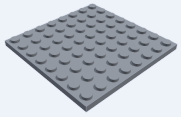
1x
2×2 plate, dark bluish gray



1x
2×4 plate, dark bluish gray



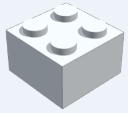
1x
4×6 plate, dark bluish gray



1x
8×8 plate, dark bluish gray



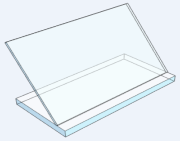
3x
chain, flat silver



20x
2×2 brick, light bluish gray



1x
1×2 plate, red



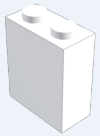
1x
2×4×2 windscreen, trans-light blue



1x
1×1 brick, trans-red



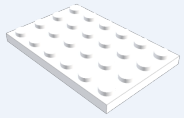
1x
1×1 plate, trans-red



2x
1×2×2 brick, white



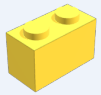
1x
1×2 plate, white



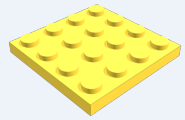
1x
4×6 plate, white



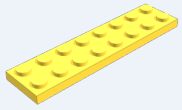
20x
1×1 brick, yellow



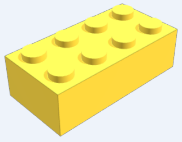
20x
1×2 brick, yellow



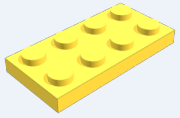
10x
4×4 plate, yellow



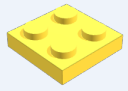
7x
2×8 plate, yellow



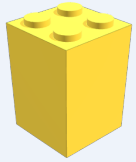
2x
2×4 brick, yellow



2x
2×4 plate, yellow



1x
2×2 plate, yellow



1x
2×2×3 brick, yellow

More free LEGO instructions: misterblocks.com/builds