

# LASER PEGS®

The Ultimate Construction Toy For Kids®

NATIONAL  
GEOGRAPHIC™

LANDMARKS  
& ARCHAEOLOGY

Ages 5+

30 Models+

ANY CREATION YOU CAN BUILD

LIGHT UP

CONSTRUCTION SET INCLUDES:

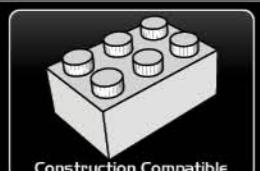
- 32 Laser Pegs®
- 244 Construction Parts
- 3-D Lite Board®
- Instruction Manual

Requires 3-AA Batteries

Batteries NOT  
Included

Please read this manual before you begin!  
Failure to follow this manual's instructions may  
result in damage to the 3-D Lite Board®, AC  
Adapter and/or Laser Pegs®. Not adhering to  
these instructions will void the manufacturer's  
warranty. The packaging must be kept because  
it contains important information.

**WARNING:**  
**CHOKING HAZARD**-Small parts.  
Not for children under 3 yrs.  
Do not submerge in water.

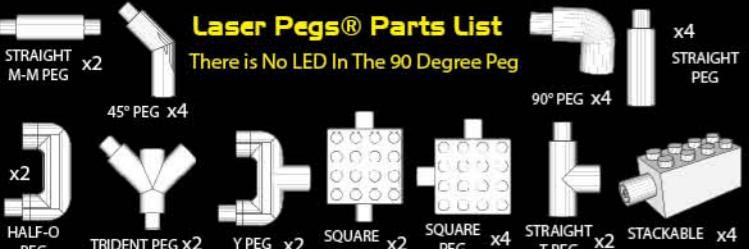


Compatible with other construction kits

EN71, RoHS COMPLIANT  
This product complies to  
all safety requirements  
of ASTM F 963

## MODEL INSTRUCTIONS

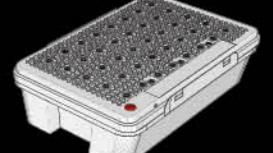
All additional model instructions can  
be downloaded at [www.LaserPegs.com](http://www.LaserPegs.com)



**\* Color Code** Each Laser Peg® is color coded on the circuit board inside each shape. There is No LED In The 90 Degree Peg.

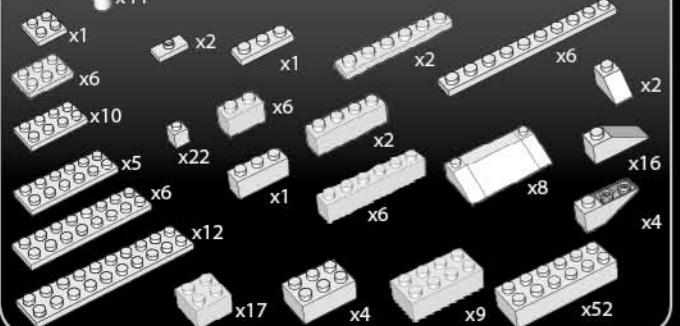


Laser Pegs® link that  
allows you to connect to  
other construction kits.



Sound Activated  
**3D LITE BOARD®**

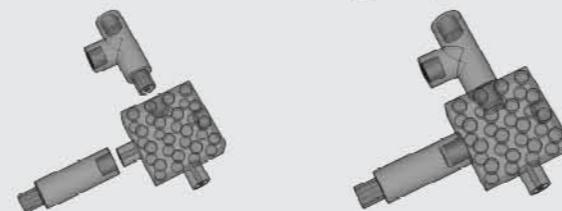
## Construction Parts List



[www.LaserPegs.com](http://www.LaserPegs.com)

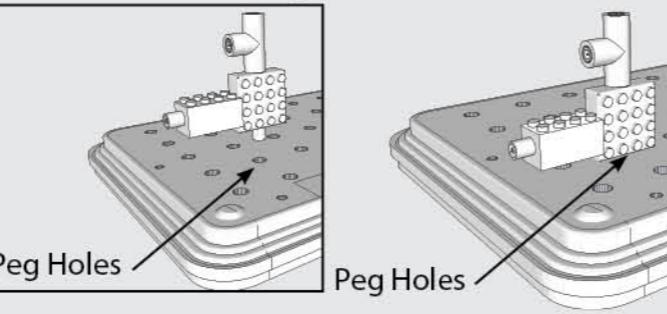
This manual is copyright and cannot be reproduced or used online without Laser Pegs®Ventures LLC permission. © Copyright 2014. All Rights Reserved US Patent #7,731,558 Additional Global & Multiple Patents Pending. Laser Pegs®Ventures LLC, 8304 Consumer Ct Sarasota FL 34240. Contact: Support@LaserPegs.com

## Connecting Pegs



To construct with Laser Pegs®, slide two pieces together to form a connection. Slide each piece on and off smoothly. The 90° Pegs are essential to construction but they DO NOT LIGHT UP.

## Connect Laser Pegs® to 3D Lite Board®

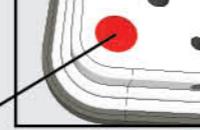


## Press button to turn on/off

Push button to cycle through 4 different light settings.  
SOUND/ON/FLASH/FLASH FASTER

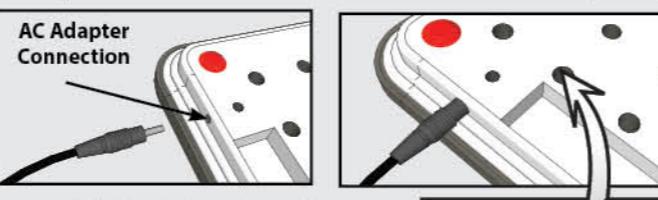
**WARNING: STROBE LIGHTS  
MAY CAUSE SEIZURES**

Power Button



## Connecting an AC Adapter

Plug AC Adapter Plug into the SIDE of the 3D Lite Board®. \*AC Adapter sold separately.



Remove all batteries from Laser Pegs® 3D Lite Board® power base before using 5-volt AC adapter.

\*To avoid short-circuits, keep metal objects and other unauthorized materials from obstructing the peg holes.  
Never connect more than 200 Laser Pegs® when using a 5-volt (2000mA) AC Adapter.

The AC Adapter and the 3D Lite Board® are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

## Battery Compartment

Batteries NOT  
Included

Battery Compartment  
Requires (3AA) Batteries

Place batteries in  
the correct position  
when using.

## Replacing Batteries

1. Remove the three (3) screws and the Battery Compartment Cover.
2. Place three AA batteries in the correct position - as displayed inside the 3D Lite Board®. **Batteries are to be inserted with the correct polarity.**
3. Replace the three (3) screws and the Battery Compartment Cover.
4. Push RED button to turn on!
5. Do not mix old and new batteries.
6. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium, NiMH) batteries!
7. Exhausted batteries are to be removed from the power base.
8. Never connect more than 200 Laser Pegs®.
9. Non-rechargeable batteries are not to be recharged.
10. Rechargeable batteries are only to be recharged under adult supervision.
11. Rechargeable batteries are to be removed from the toy before being recharged.
12. The supply terminals are not to be short-circuited.
13. Batteries should be recycled or disposed of as per state and local guidelines.
14. **DO NOT THROW BATTERIES INTO FIRE!**

## 3D Lite Board®

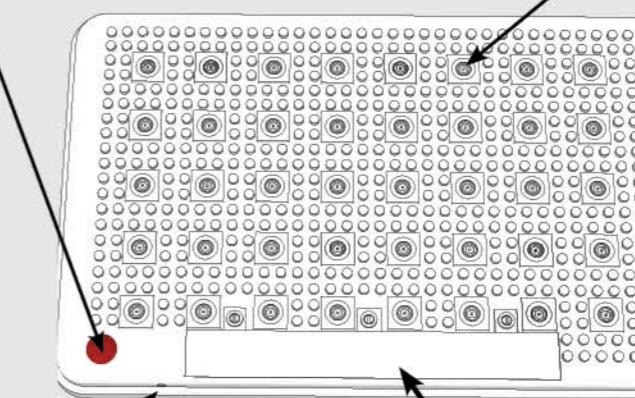
### Power Button

4 light settings.

Press power button to

change light setting.

SOUND/ON/FLASH/FLASH FASTER



### Peg Holes

Construction Kit  
Compatible Studs

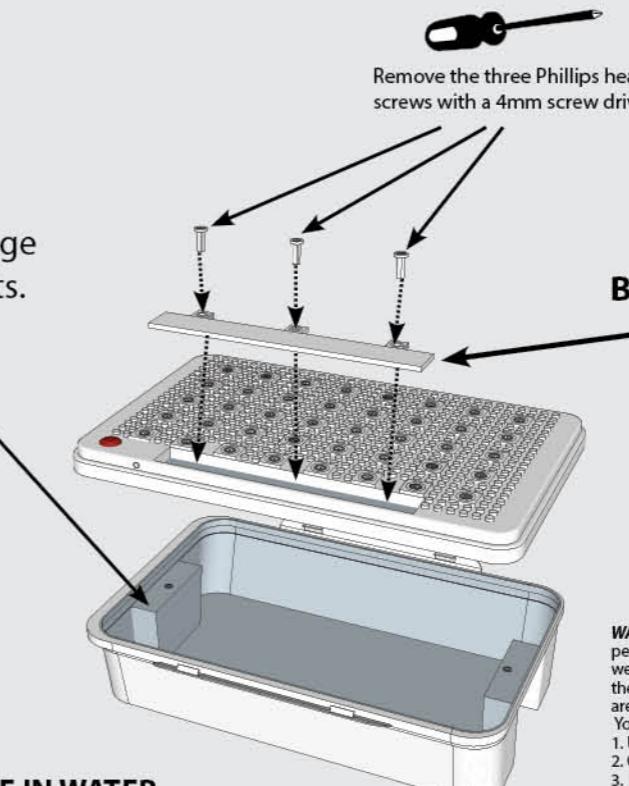
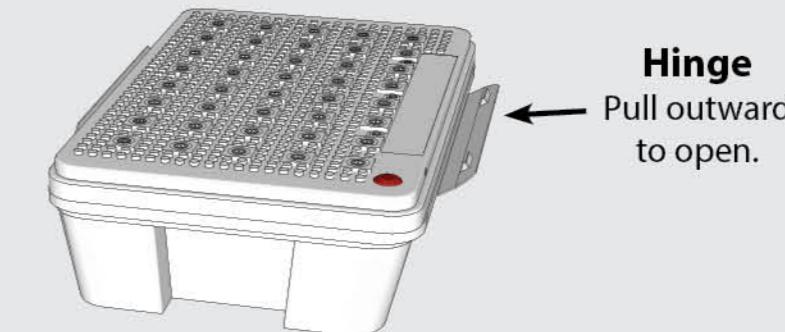
### Battery Compartment

Requires (3AA) Batteries

#### Environmental Phenomena

\* The unit may malfunction if subjected to radio-frequency interference. It SHOULD revert to normal operation when the interference stops. If not, it may become necessary to turn the power off and back on, or remove and reinstall the batteries.

\* In the unlikely event of an electrostatic discharge, the unit may malfunction and lose memory, requiring the user to reset the device by removing and reinstalling the batteries.



## Tote Box

Designed for storage  
of Laser Pegs® parts.

DO NOT SUBMERGE IN WATER

## Battery Compartment Cover

Remove the three Phillips head  
screws with a 4mm screw driver.



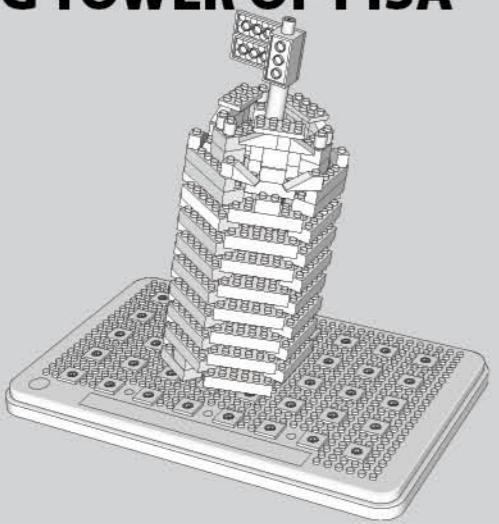
LEANING TOWER OF PISA: This bell tower took more than 300 years to build. It leans at a 4-degree angle because it was built on soft soil.



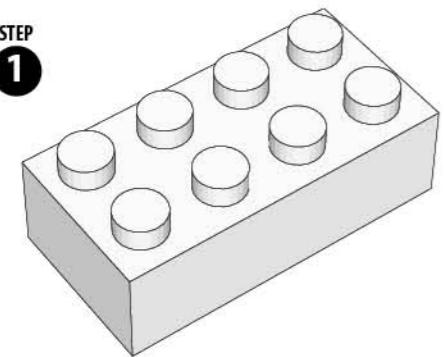
## LEANING TOWER OF PISA

Model  
Difficulty  
Level

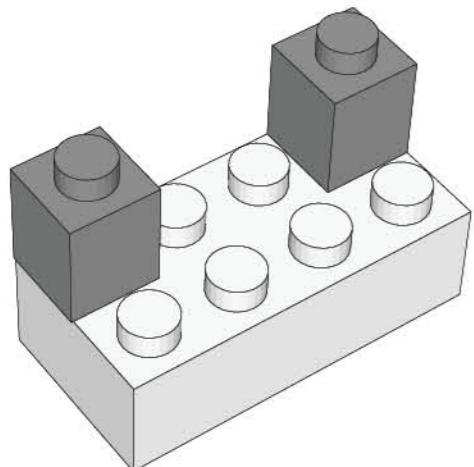
4



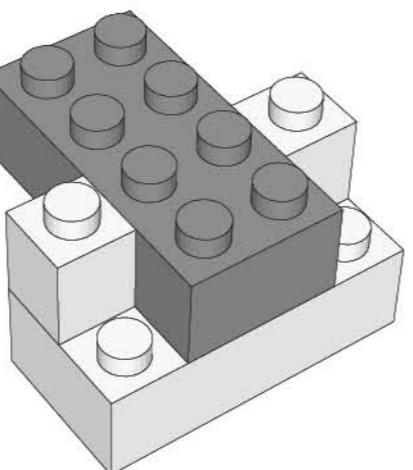
STEP  
1



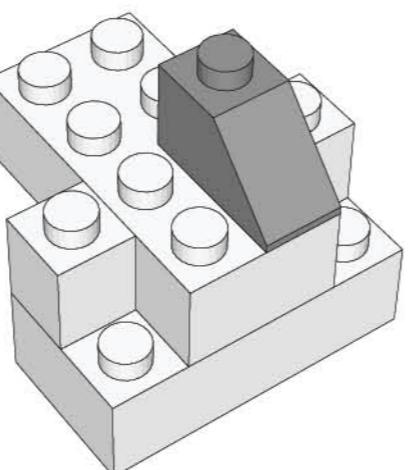
STEP  
2



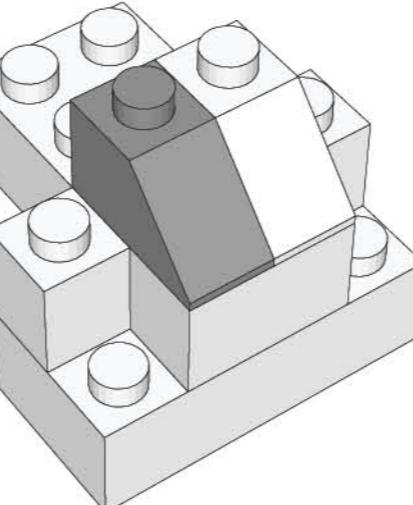
STEP  
3



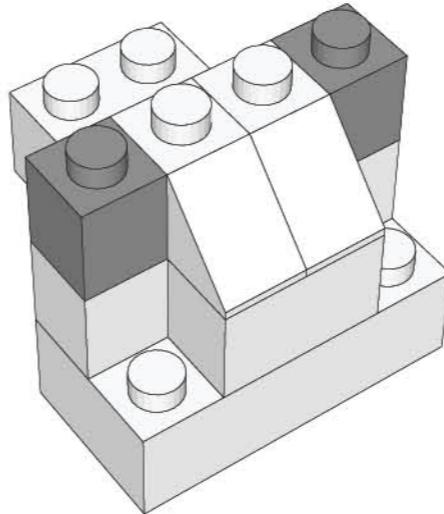
STEP  
4



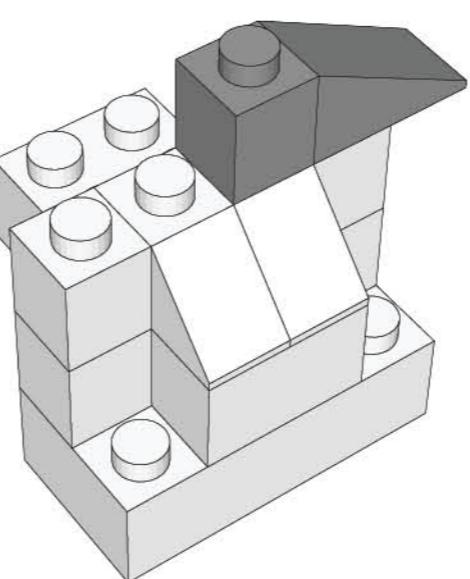
STEP  
5



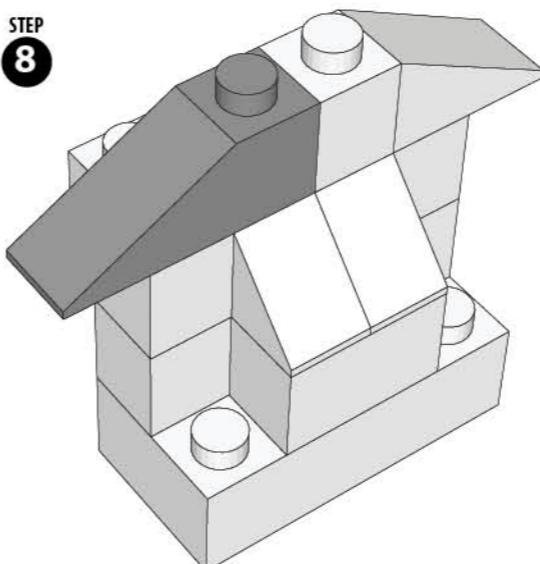
STEP  
6



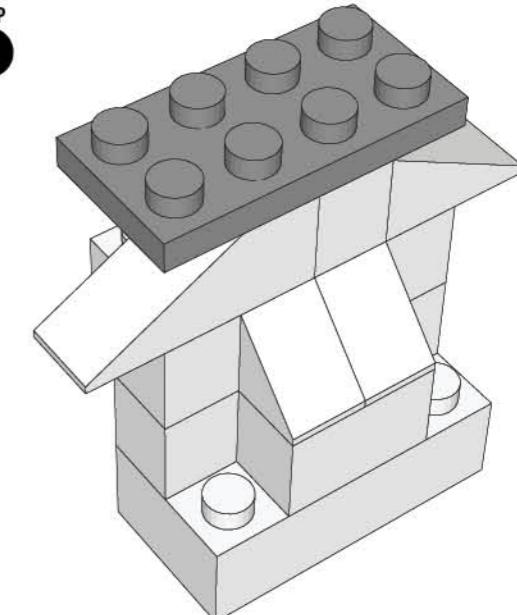
STEP  
7



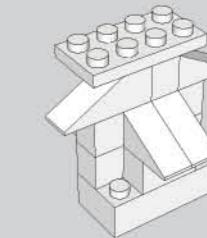
STEP  
8



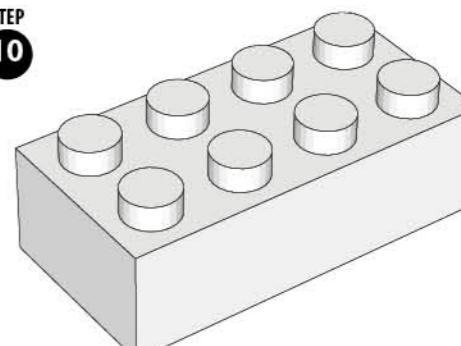
STEP  
9



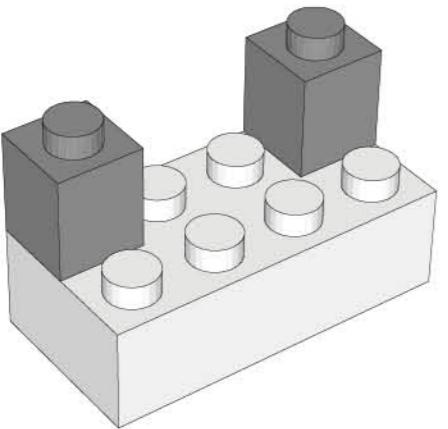
B  
X2



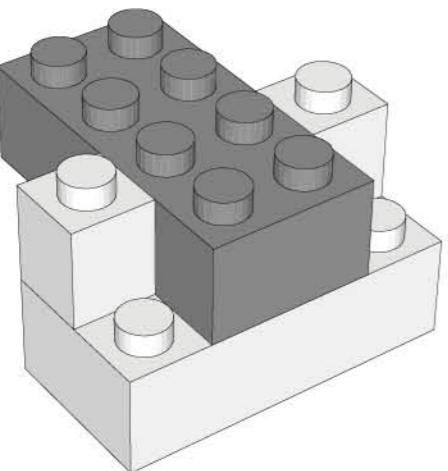
STEP  
10



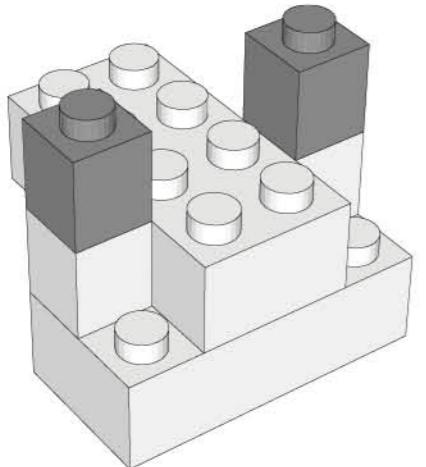
STEP  
11



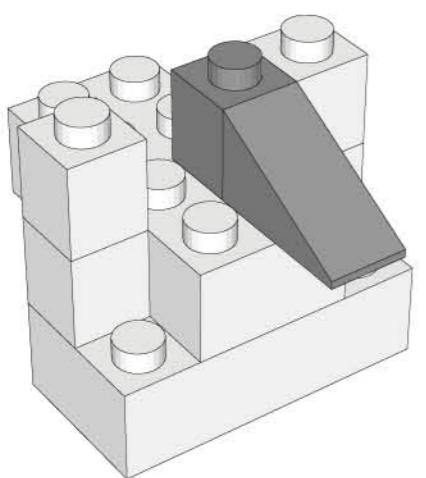
STEP  
12



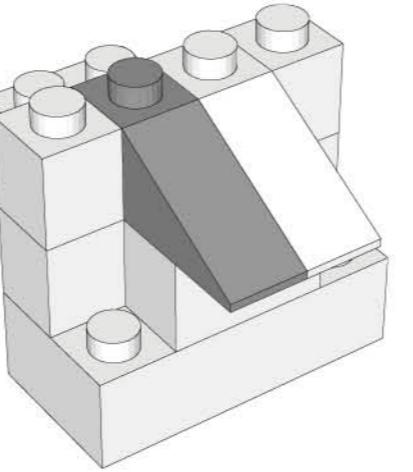
STEP  
13



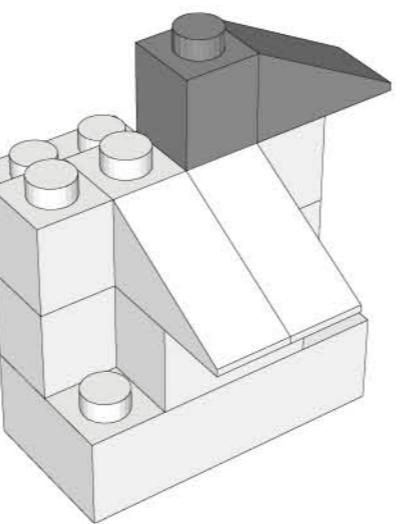
STEP  
14



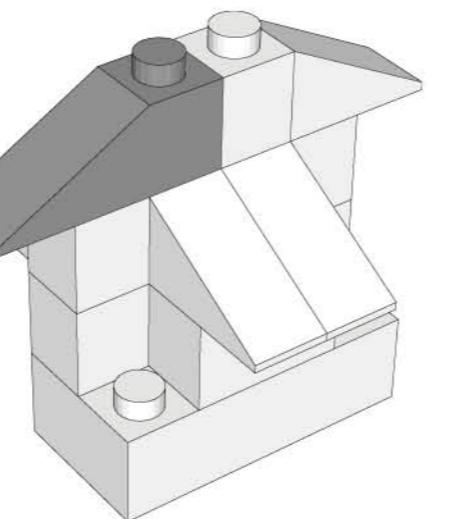
STEP  
15



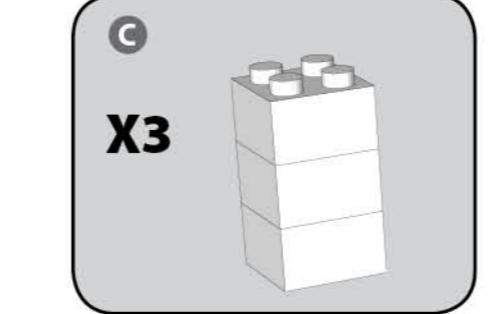
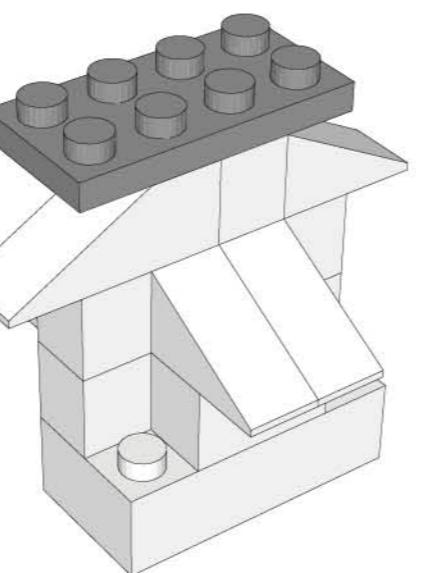
STEP  
16



STEP  
17



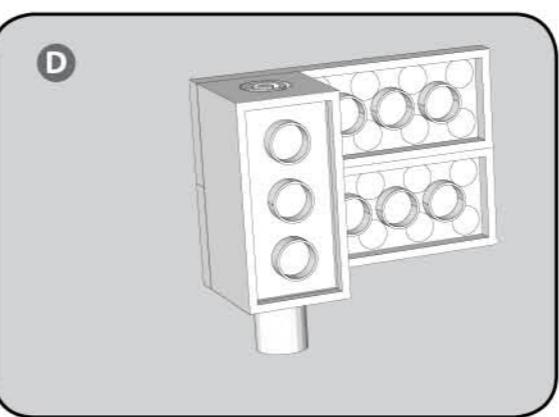
STEP  
18



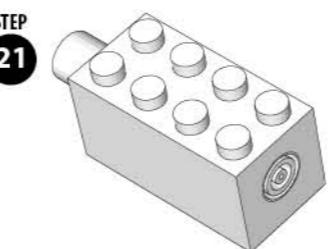
STEP  
19



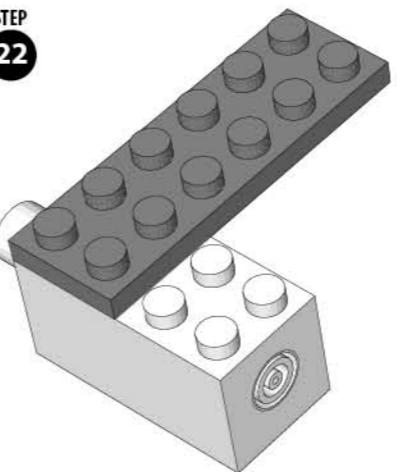
STEP  
20



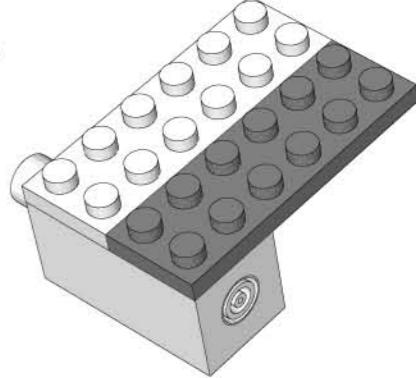
STEP  
21



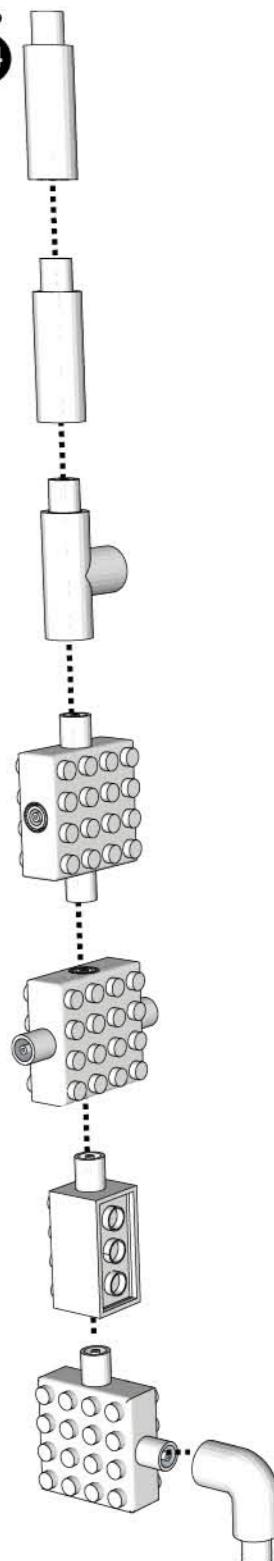
STEP  
22

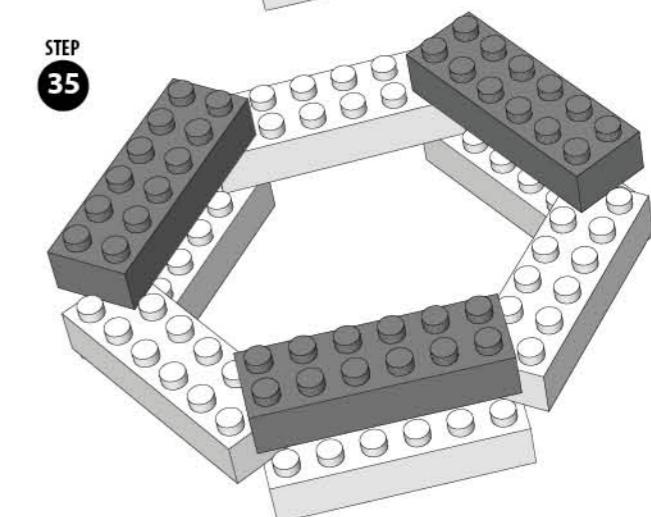
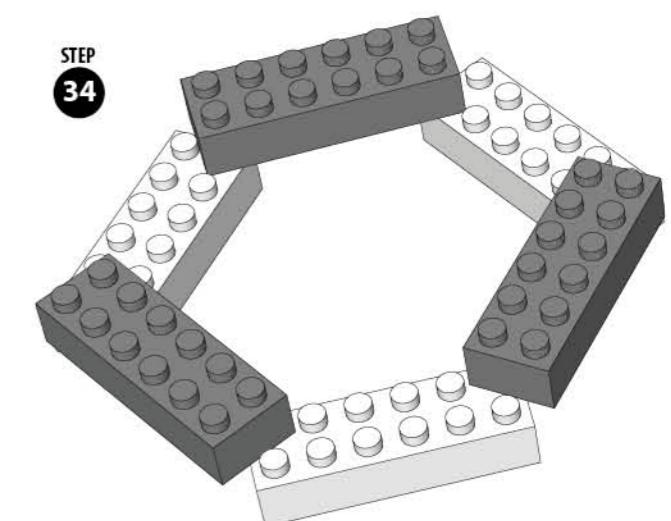
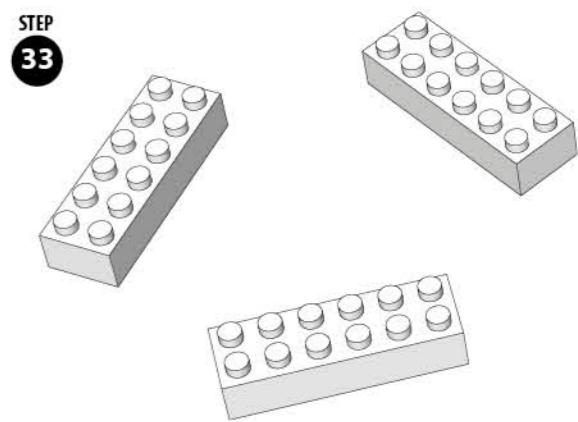
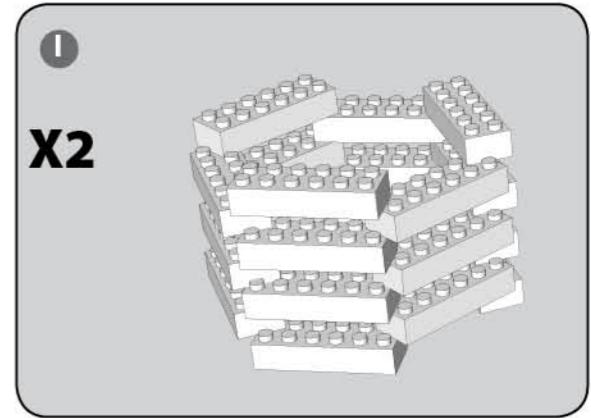
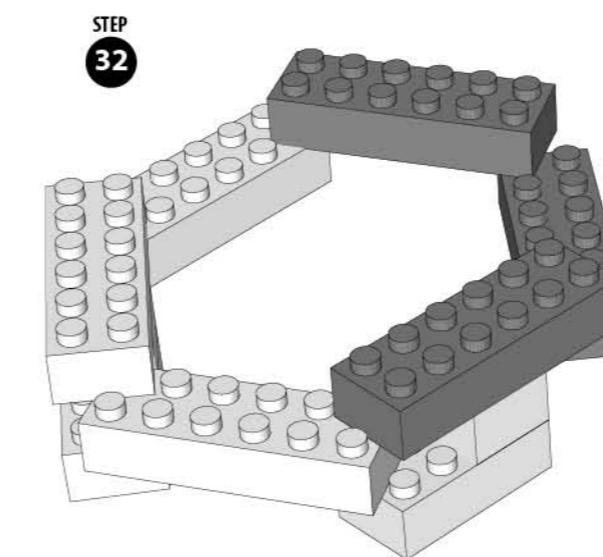
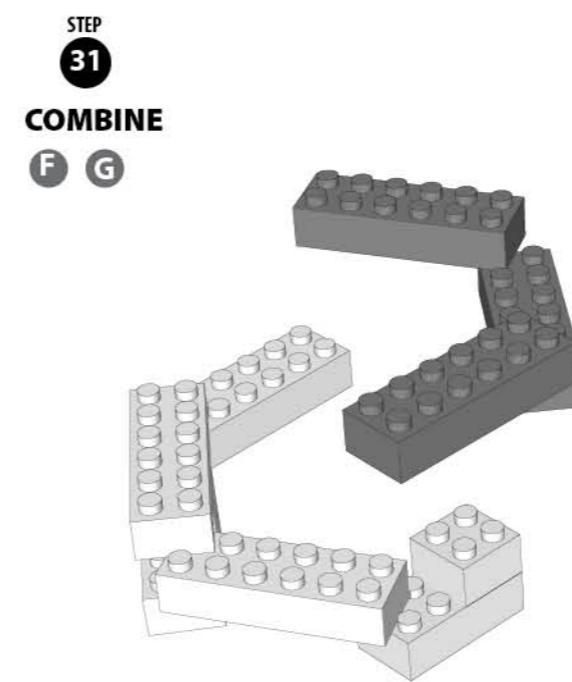
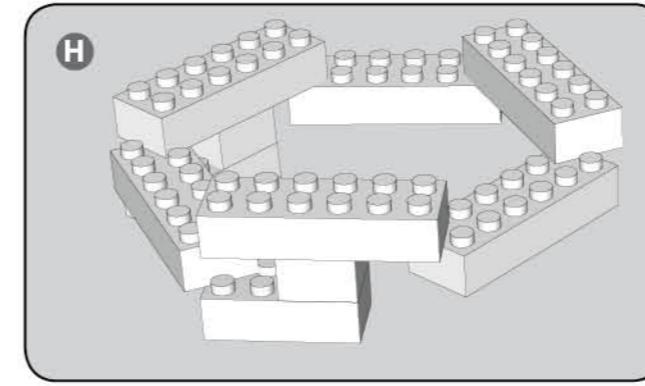
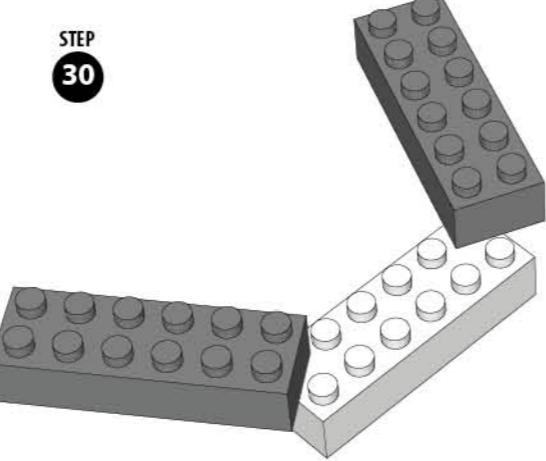
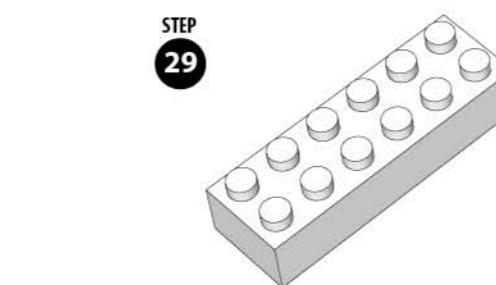
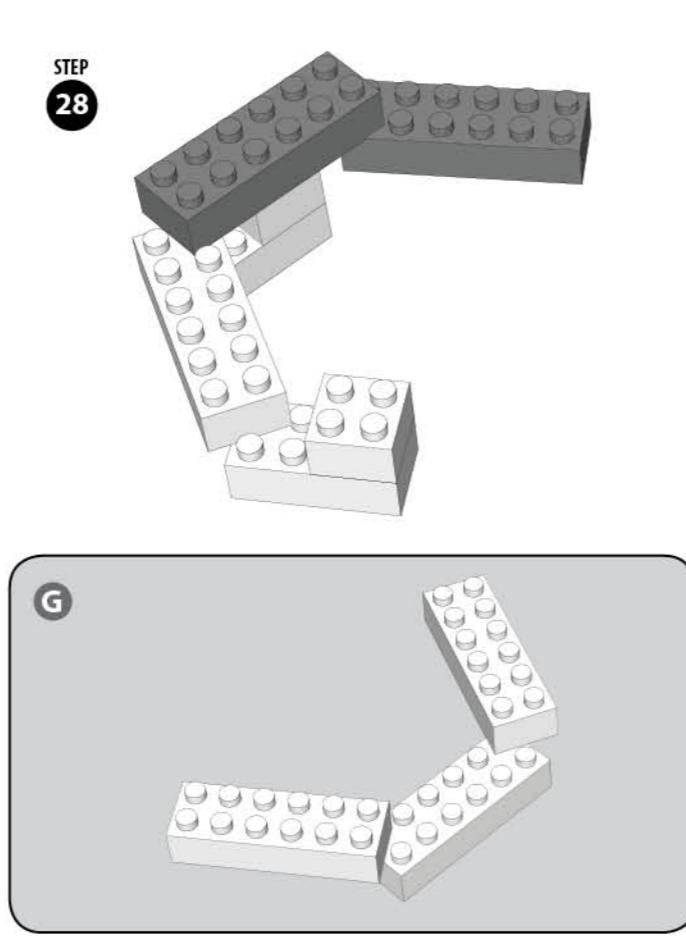
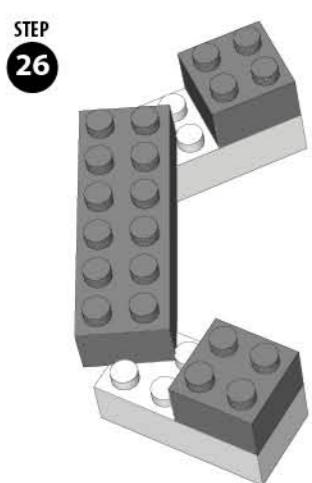
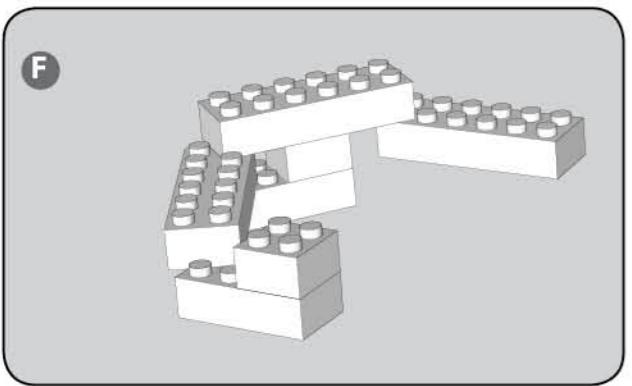


STEP  
23

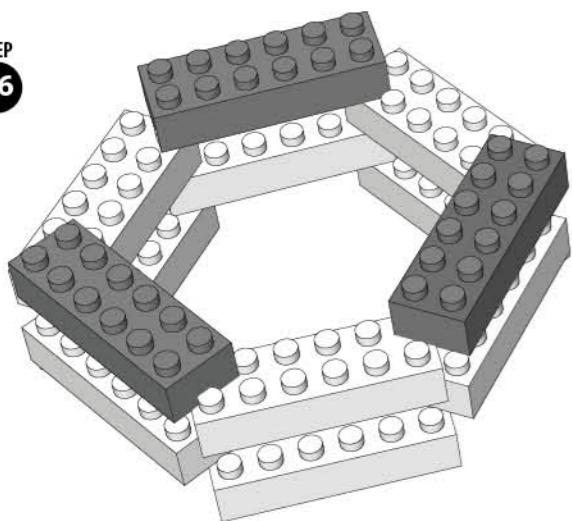


STEP  
24

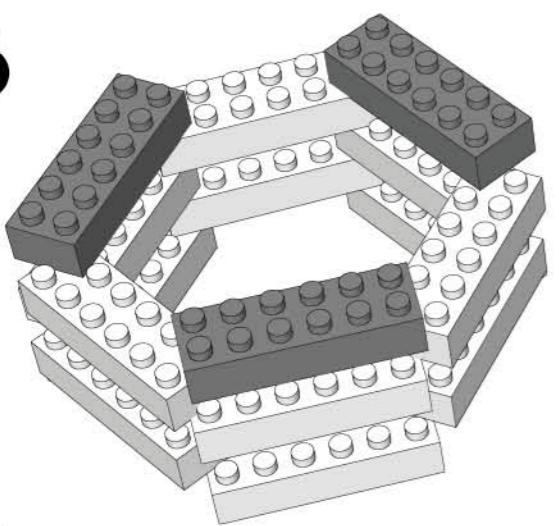




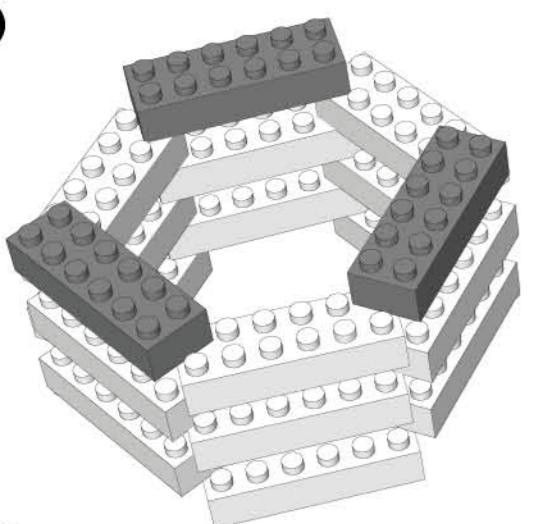
STEP  
36



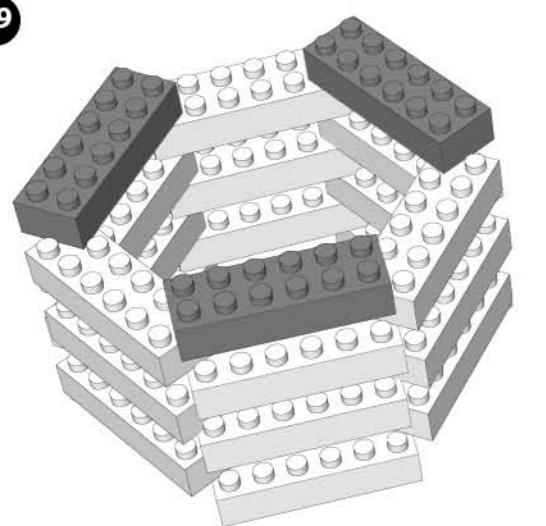
STEP  
37



STEP  
38

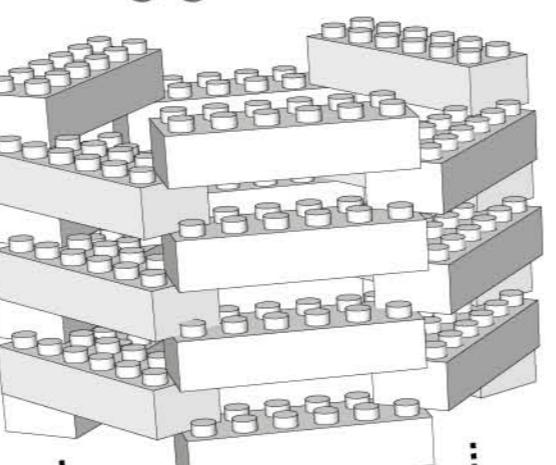


STEP  
39

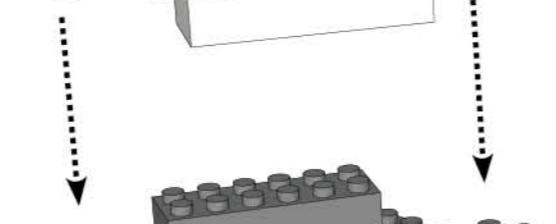


STEP  
40

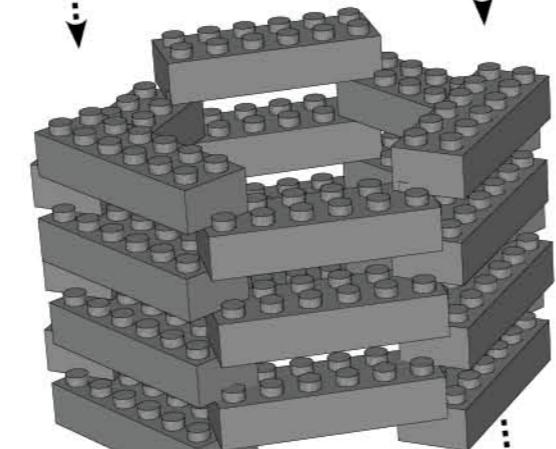
COMBINE H I



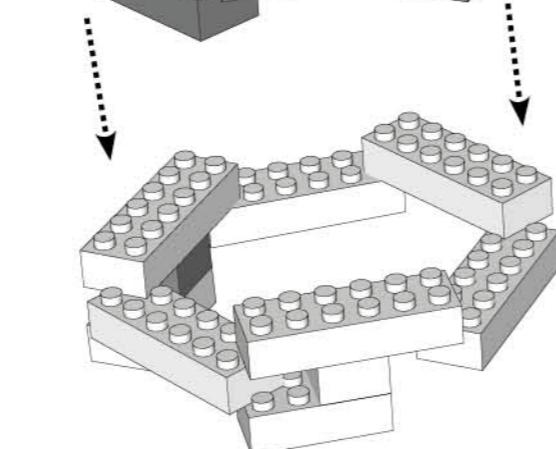
I



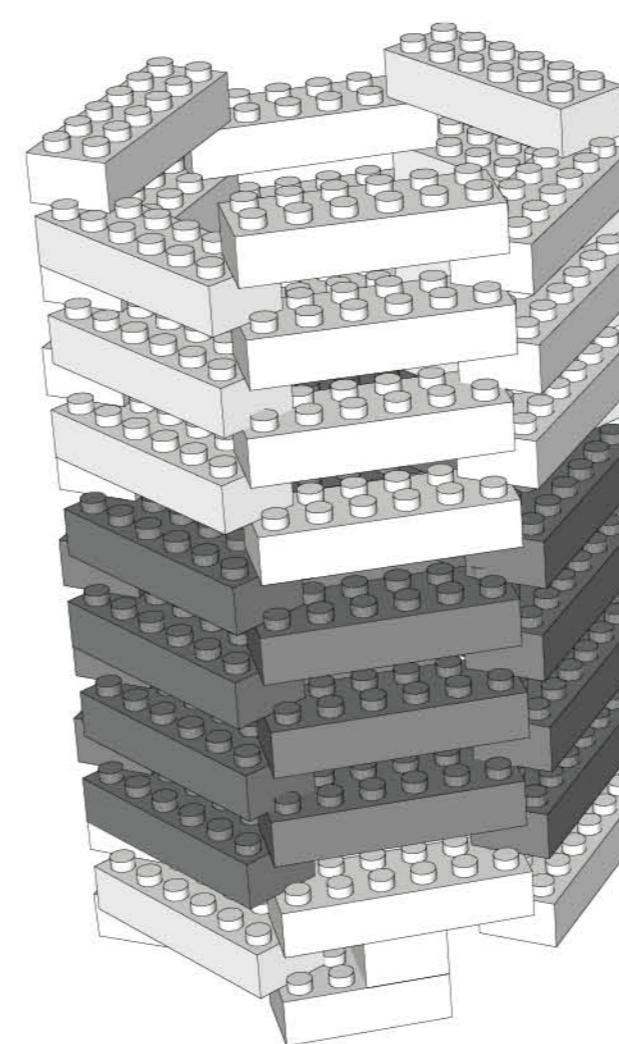
I



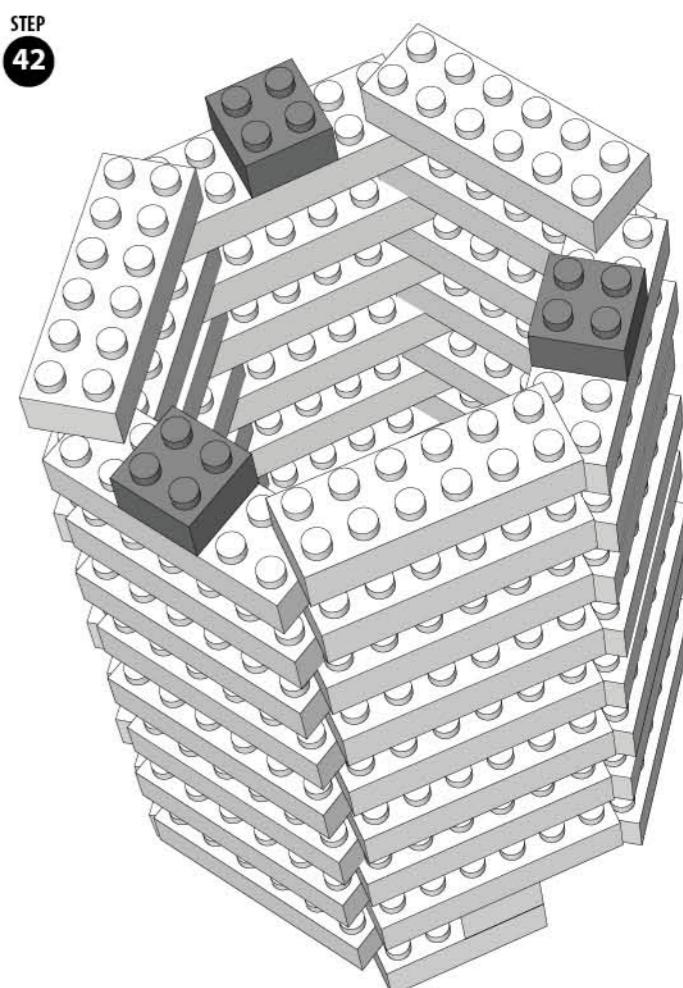
H



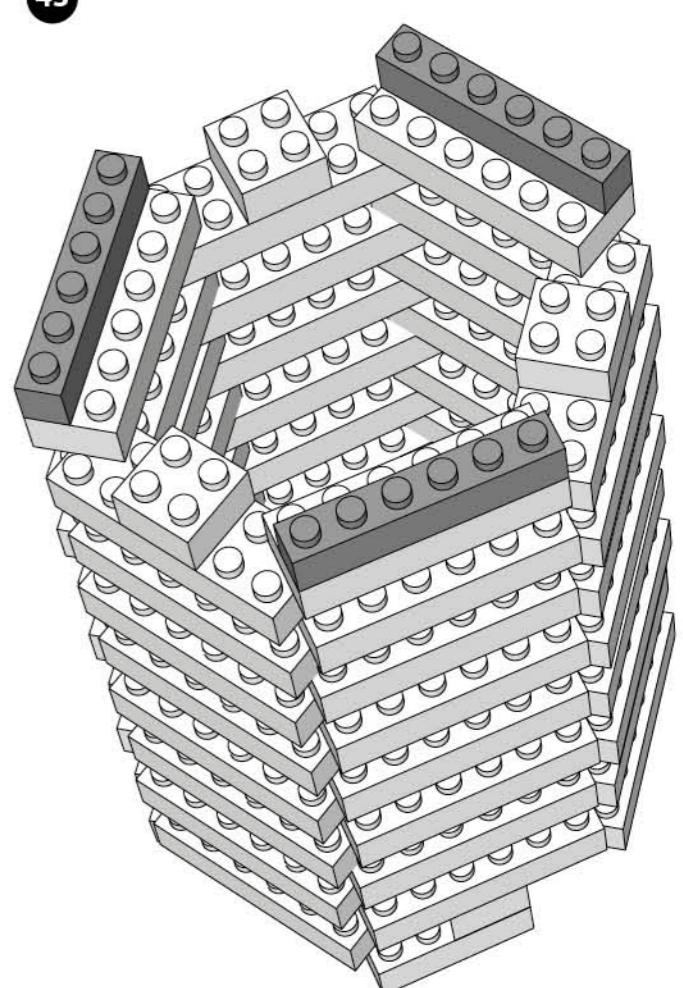
STEP  
41



STEP  
42



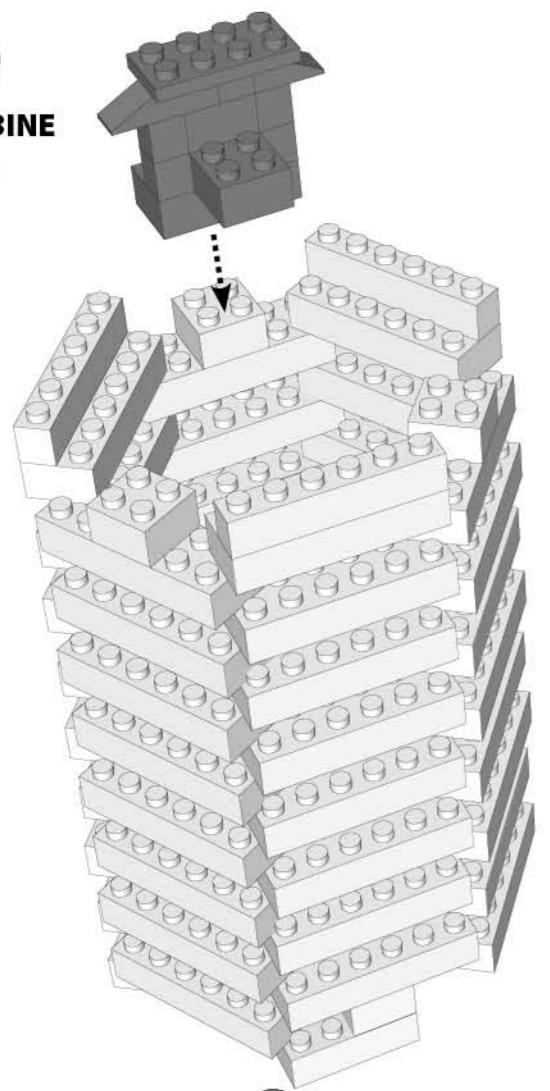
STEP  
43



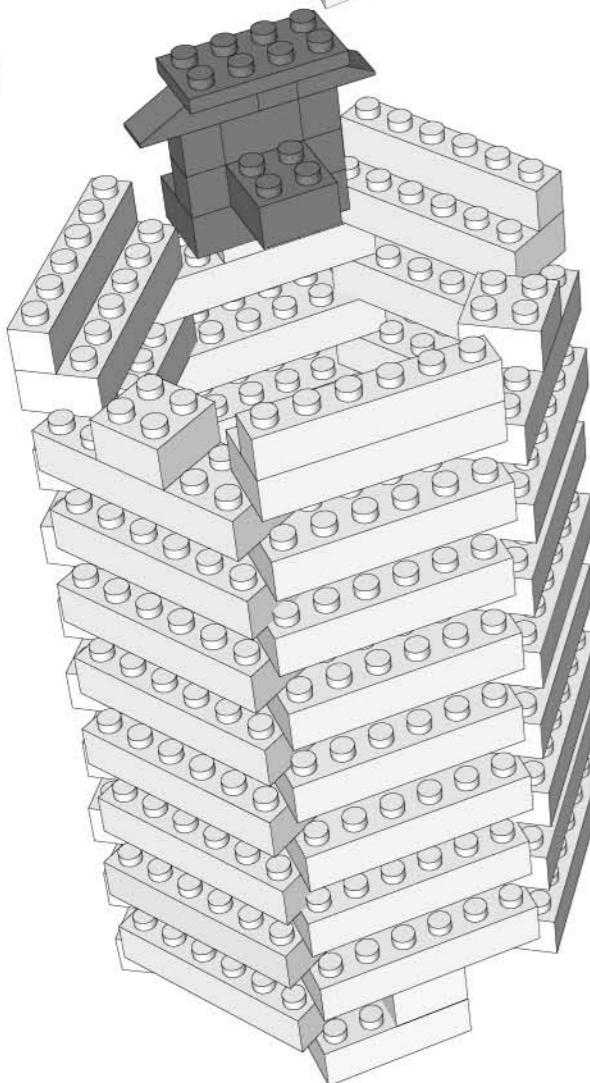
STEP  
44

**COMBINE**

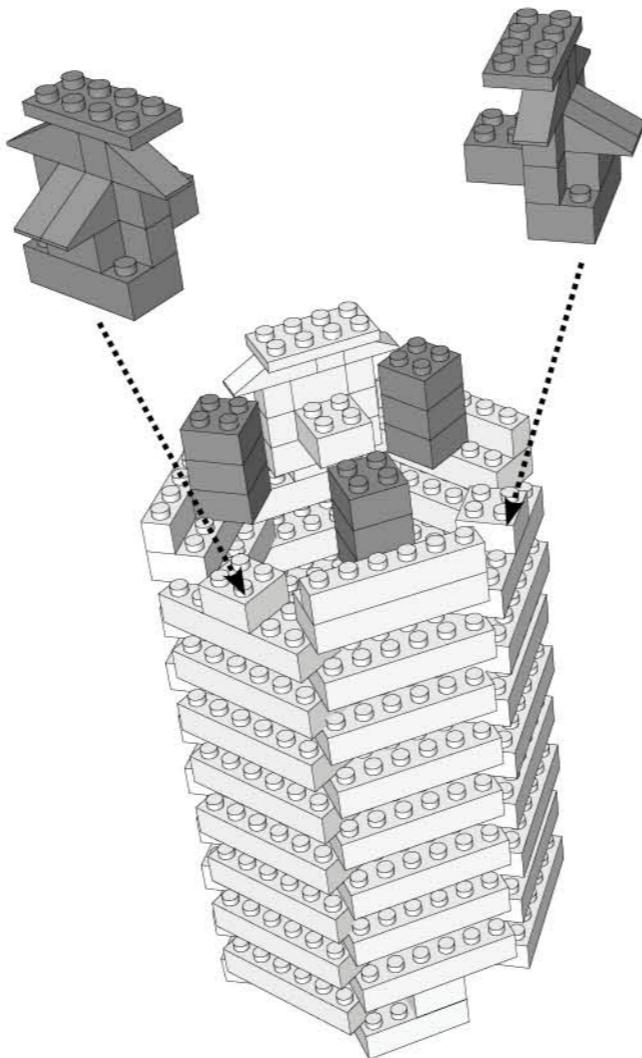
**A**



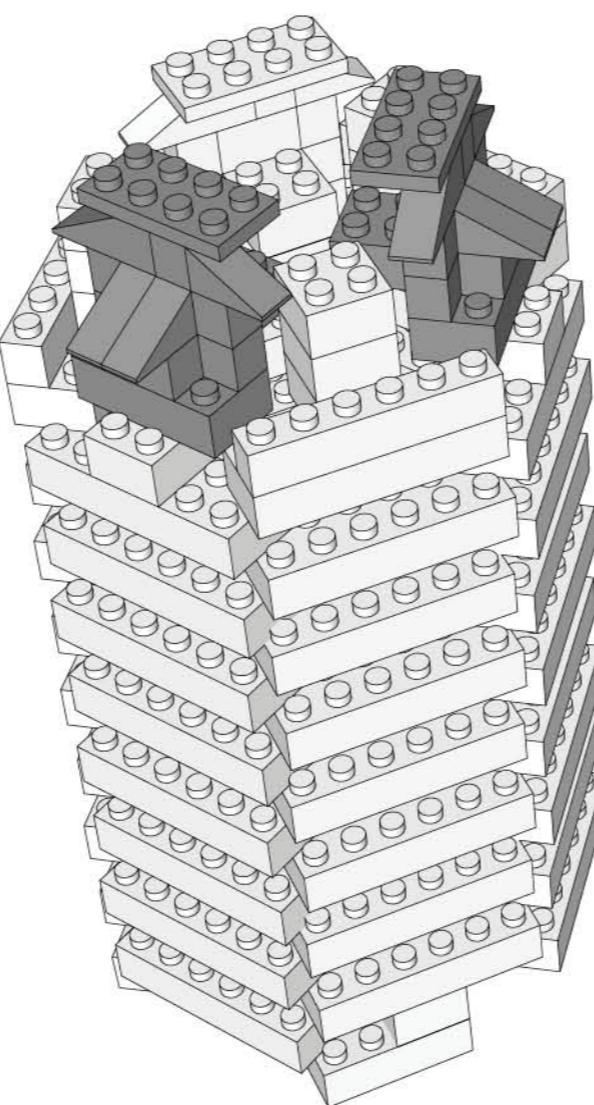
STEP  
45



STEP  
46  
**COMBINE**  
**B C**

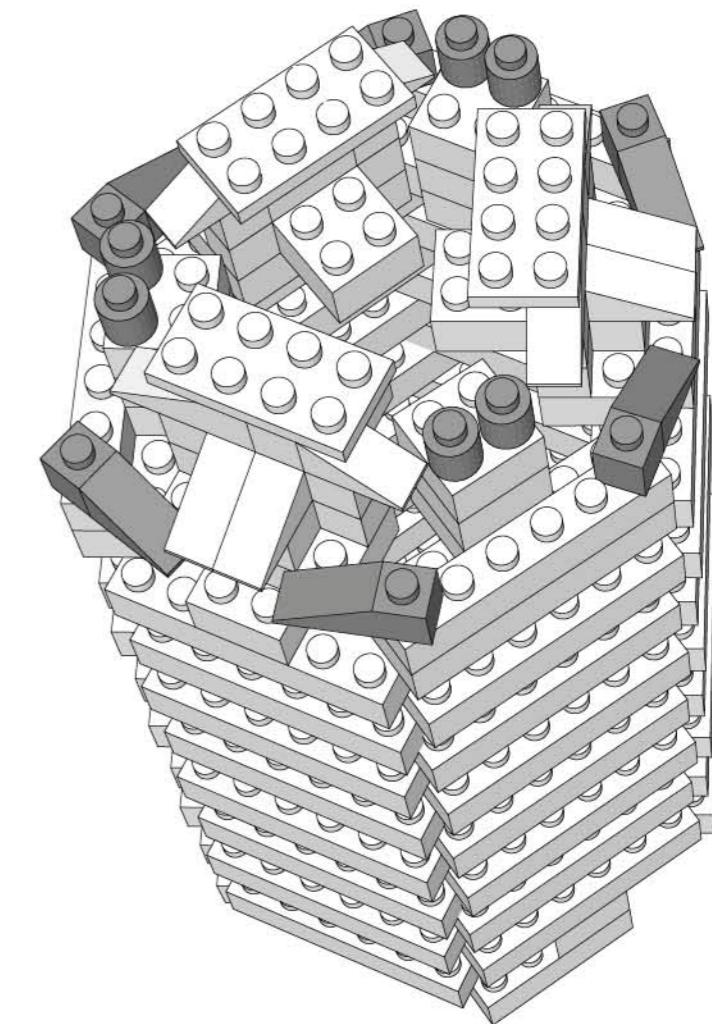
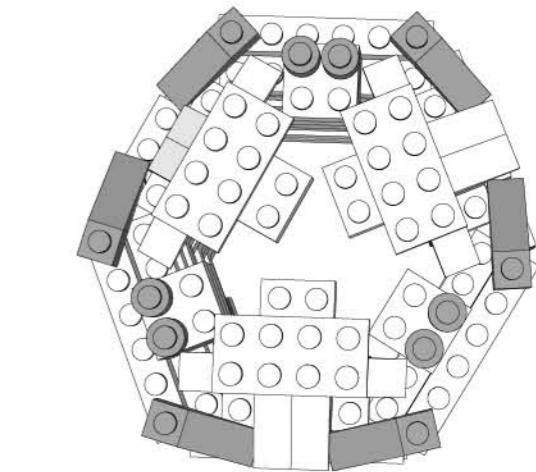


STEP  
47



STEP  
48

**PART PLACEMENT**

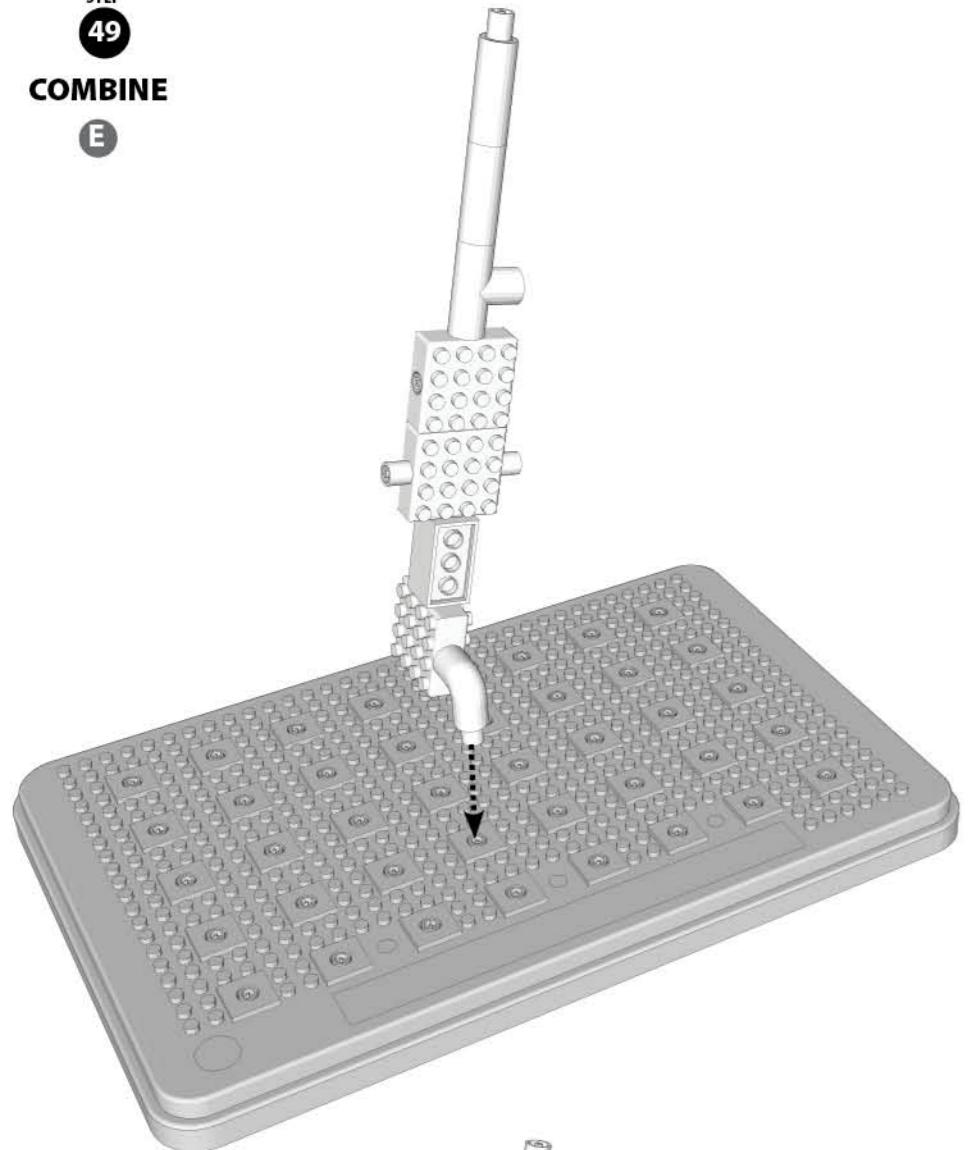


STEP

49

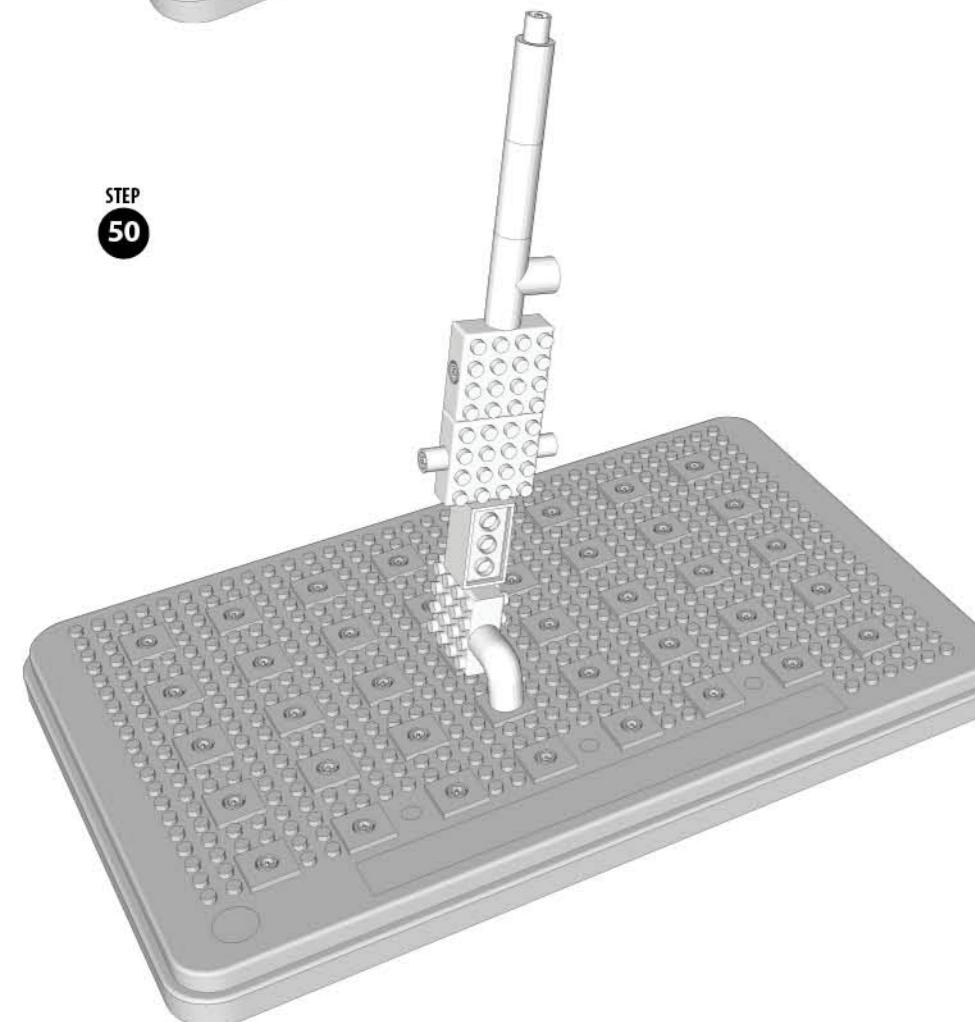
COMBINE

E



STEP

50

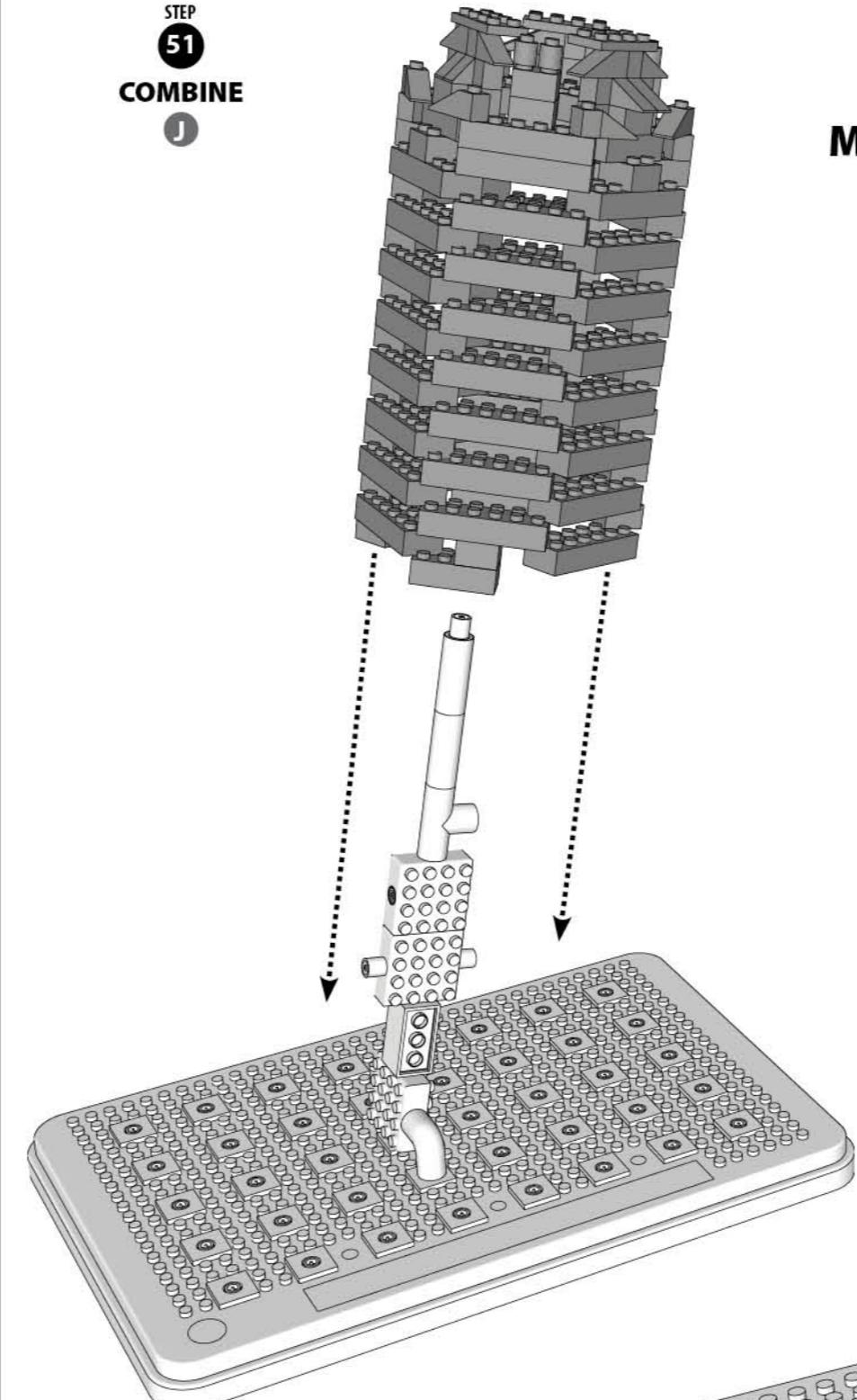


STEP

51

COMBINE

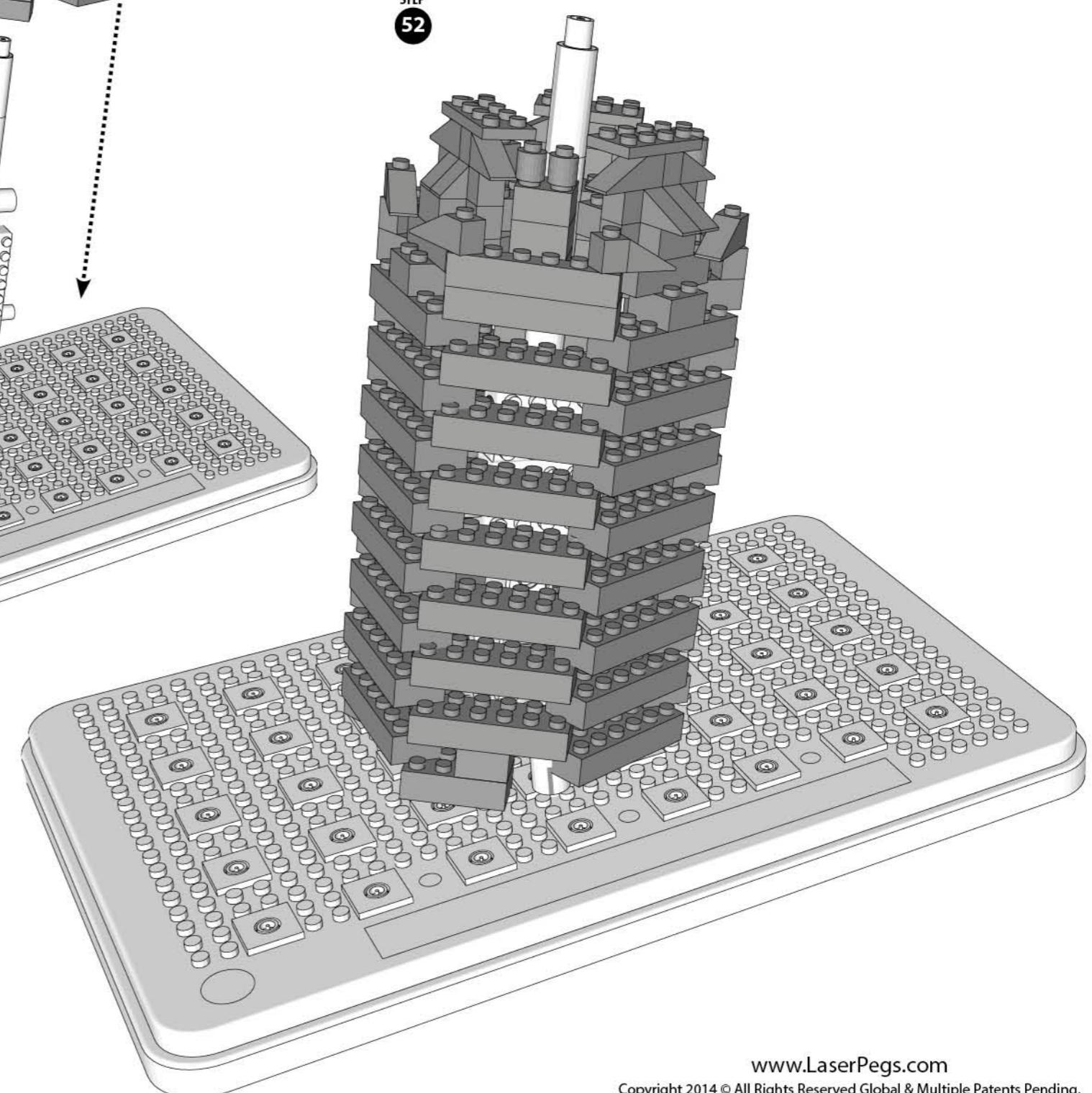
J



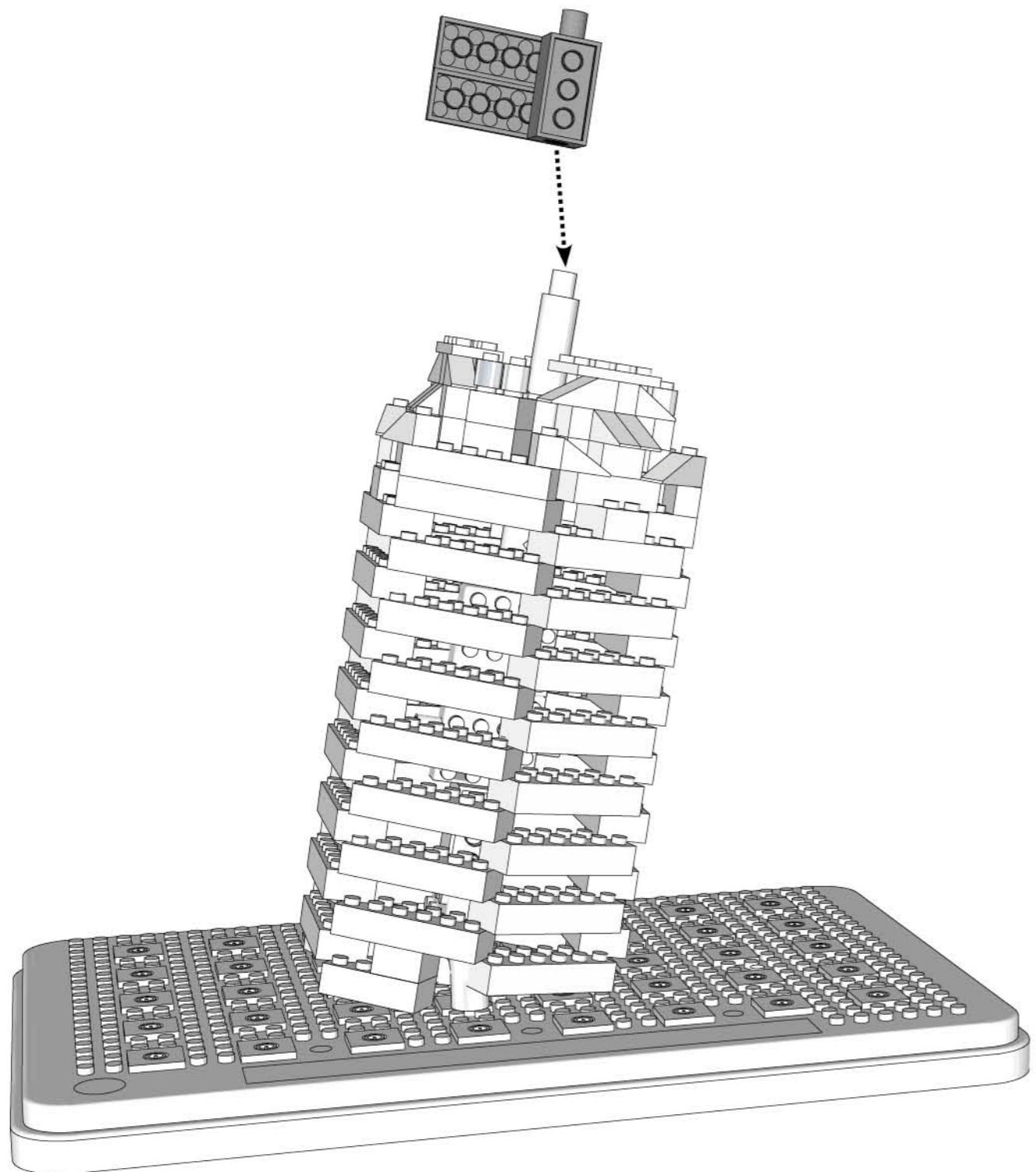
**PLACE MODEL ON THE 3D LITE BOARD®.**

**MODEL SITS ON TOP, BUT DOES NOT ATTACH  
TO THE BOARD!**

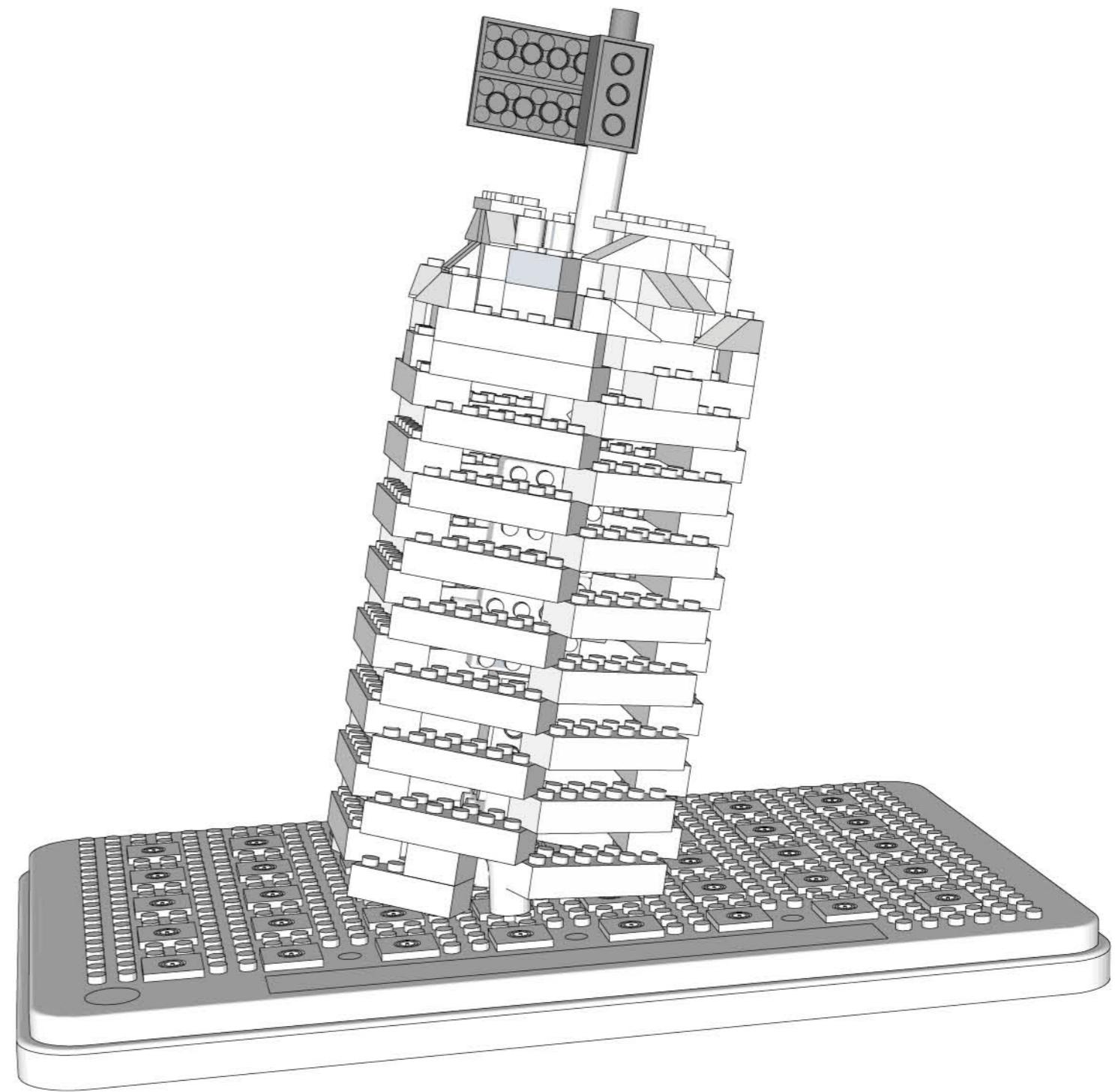
STEP  
52



STEP  
**53**  
**COMBINE**  
**D**



STEP  
**54**



NATIONAL GEOGRAPHIC KIDS and Yellow Border Design are trademarks of the National Geographic Society, used under license. All rights reserved.



National Geographic's net proceeds support vital exploration, conservation, research, and education programs.

MADE IN CHINA

[www.LaserPegs.com](http://www.LaserPegs.com)  
Copyright 2014 © All Rights Reserved Global & Multiple Patents Pending.  
US Patent #7,731,558