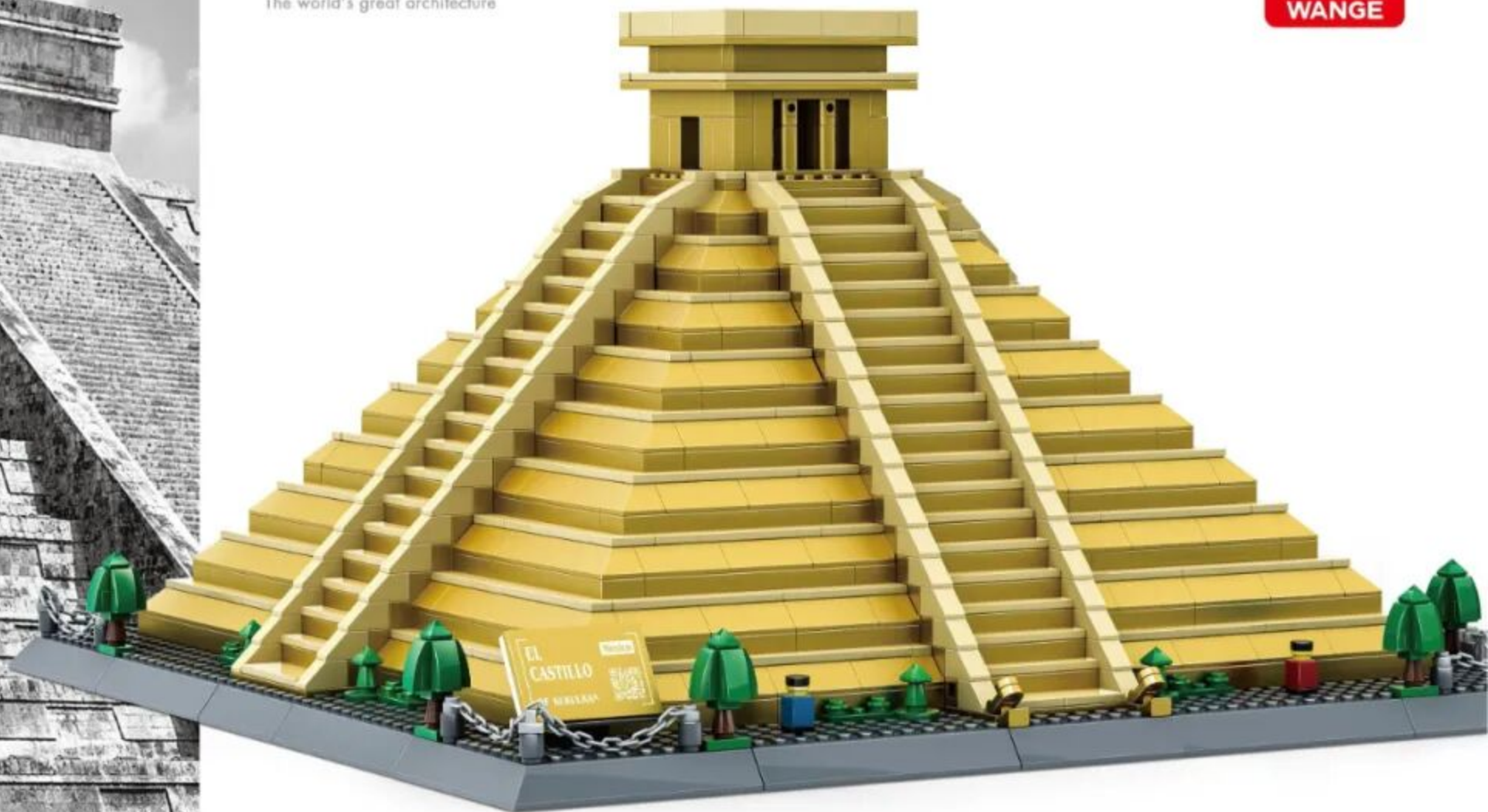


# EL CASTILLO

Templo de Kukulcán

Kukulcán, Mexico

The world's great architecture



Creative Ability



Family Interaction



Observation Ability



Thinking Ability



Practical Ability



6+ / 6225 / 1340 PCS  
Suitable Age / Product Number / Parts Total



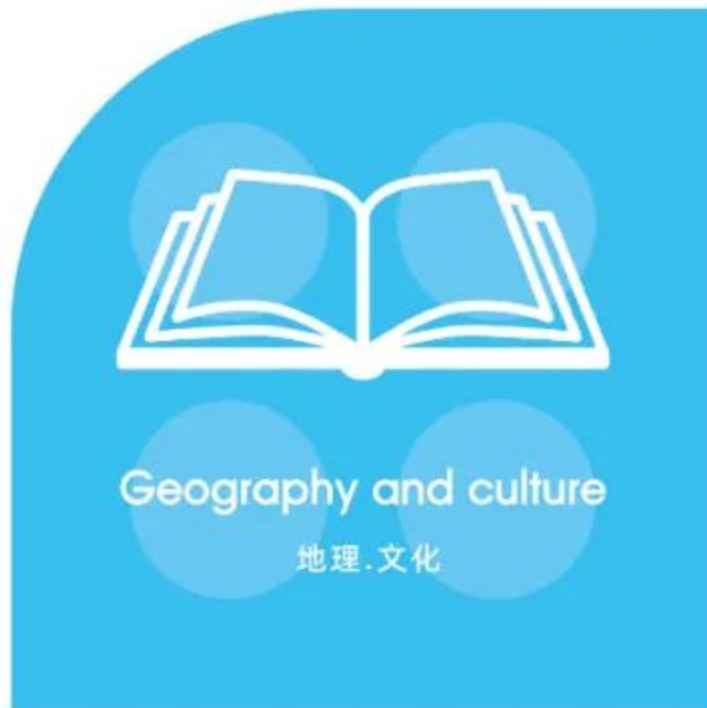
# Architecture

It will be a city...

这将构成一座城市...

# ABOUT THE PRODUCT

关于产品



## ARCHITECTURE

WANGE The world's great architect since 1991

# El Castillo



El Castillo, known as the Temple of Kukulcán (or also just as Kukulcán), is a Mesoamerican step-pyramid that dominates the center of the Chichen Itza archaeological site in the Mexican state of Yucatán.

# El Castillo



## Geography and culture

地理·文化



Built by the pre-Columbian Maya civilization sometime between the 8th and 12th centuries AD, the pyramid served as a temple to the deity Kukulcán, the Yucatec Maya Feathered Serpent deity closely related to Quetzalcoatl, a deity known to the Aztecs and other central Mexican cultures of the Postclassic period.





Templo de Kukulcán

# El Castillo ■

Mexico

The contents of this chapter refer to the Wikipedia website.

本章内容参考维基百科网站，更多资讯可自行查阅。

The world's great architecture

# Buildings and layout

■ 建筑物和布局



**El Castillo** (estructura también conocida con el nombre de, debido a que los conquistadores españoles en el siglo XVI buscaban alguna similitud arquitectónica con las existentes en el continente europeo), es un edificio prehispánico ubicado en la península de Yucatán, en el actual estado del mismo nombre. El actual templo se construyó en el siglo XII d. por los mayas itzaes en su capital, la ciudad de Chichén Itzá, fundada originalmente en el siglo VI d. Su diseño tiene una forma geométrica piramidal; cuenta con nueve niveles o basamentos, cuatro fachadas principales, cada una con una escalinata central, y una plataforma superior, rematada por un templete.

The pyramid consists of a series of square terraces with stairways up each of the four sides to the temple on top. Sculptures of plumed serpents run down the sides of the northern balustrade. Around the spring and autumn equinoxes, the late afternoon sun strikes off the northwest corner of the pyramid and casts a series of triangular shadows against the northwest balustrade, creating the illusion of the feathered serpent "crawling" down the pyramid.



## Symbolism

En comparación con la pirámide de Keops en Egipto, o incluso con la pirámide del Sol de Teotihuacan, las dimensiones de la pirámide de Kukulcán son pequeñas. En cuanto a la altura, la pirámide de Keops mide aproximadamente 147 m y la del Sol, 65 m sin incluir los supuestos 10 metros que tendría su templo; por su parte, la altura de 55,3 m en las bases de sus fachadas.

All four sides of the pyramid have approximately 91 steps which, when added together and including the temple platform on top as the final "step", may produce a total of 365 steps (the steps on the south side of the pyramid are eroded). That number is equal to the number of days of the Haab' year and likely is significantly related to rituals.



## Design and construction

Cuatro fachadas principales, cada una con una escalinata central, y una plataforma superior, rematada por un templo. En esta construcción, se rindió culto a la entidad maya Kukulcán (en idioma maya: Serpiente Emplumada), razón por la cual se pueden apreciar motivos serpentinos en la decoración arquitectónica. Por otra parte, también cuenta con simbolismos que hacen alusión a los números más importantes utilizados en el calendario solar agrícola, el calendario Tzolkin (calendario sagrado) y la rueda calendárica. La alineación de la construcción de la pirámide permite que se puedan observar diversos fenómenos de luz y sombra, los cuales se producen en su propio cuerpo durante los equinoccios y solsticios cada año.

El Castillo like other Mesoamerican pyramids, likely reflected the common practice by the Maya of executing several phases of construction for their temples. Based on archaeological research, construction of Kukulcán was based on the concept of axis mundi. Anthropologists think that the site remained sacred regardless of how the structure was positioned on the location.

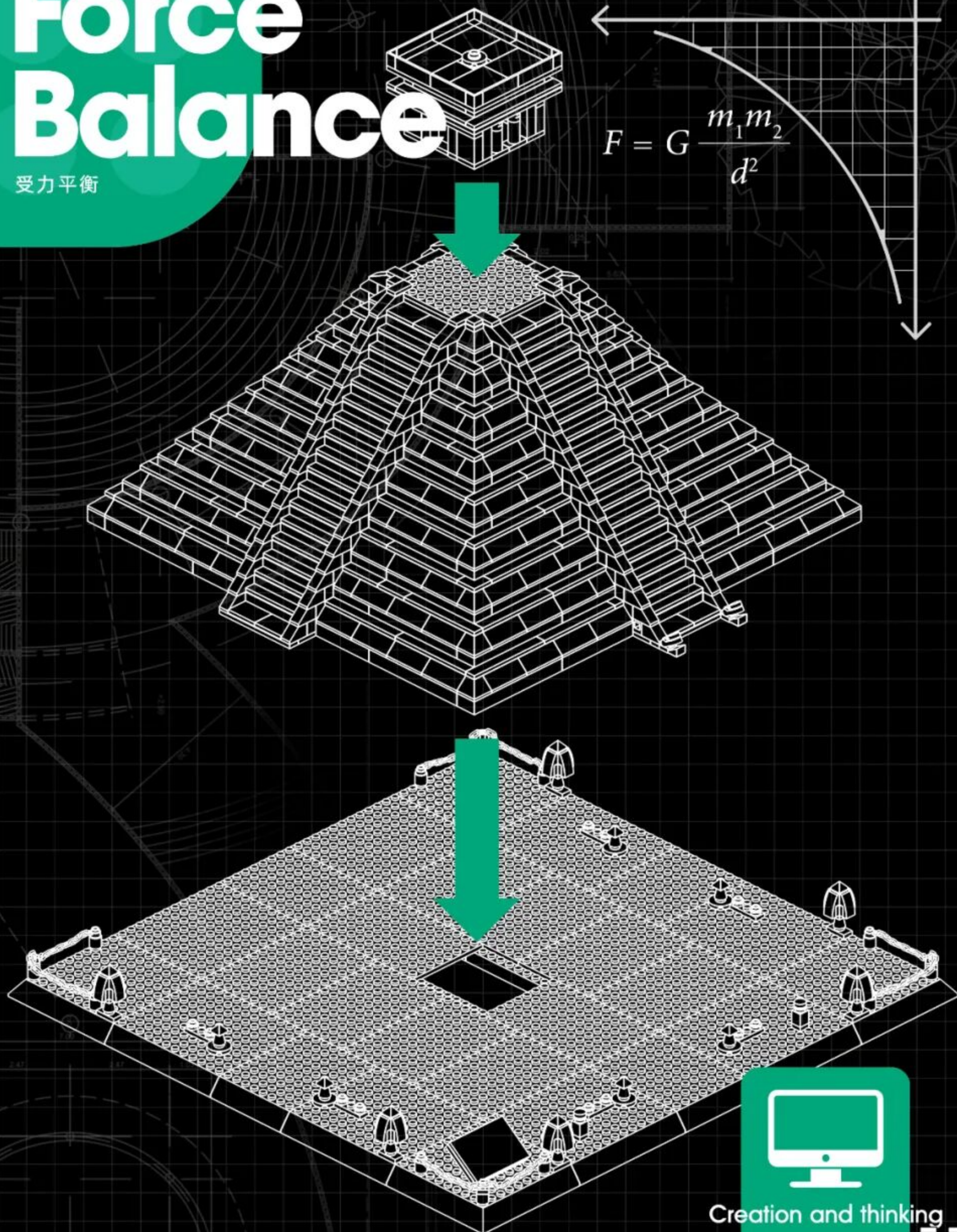
# Force Balance

受力平衡

Physical operations

物理运算

$$F = G \frac{m_1 m_2}{d^2}$$



Creation and thinking

创作·思考

08

# Special parts

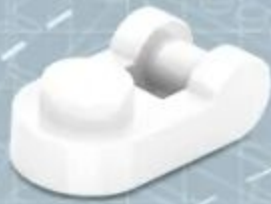
特殊零件的开发利用

$$S=4\pi \cdot r^2$$



**WG1019**

四面孔



**WG1065**

半圆1孔

$$a^2+b^2=c^2$$



**WG1344**

方形通孔



**WG0325**

短椅后1孔



**WG1249**

雪糕筒



**WG1244**

短椅后4孔



**WG1289**

雀替柱



**WG1267**

四倍窗

$$\sin^2 a + \cos^2 a = 1$$



features and functions

特点.功能

# Main Color Matching

配色方案



Pantone Black 6C



Pantone 431C



Pantone 348C



Pantone 285C



Pantone 7620C



Pantone 123C



Pantone 477C



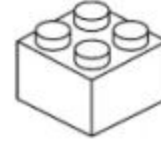
Pantone 7550C



Pantone 7509C



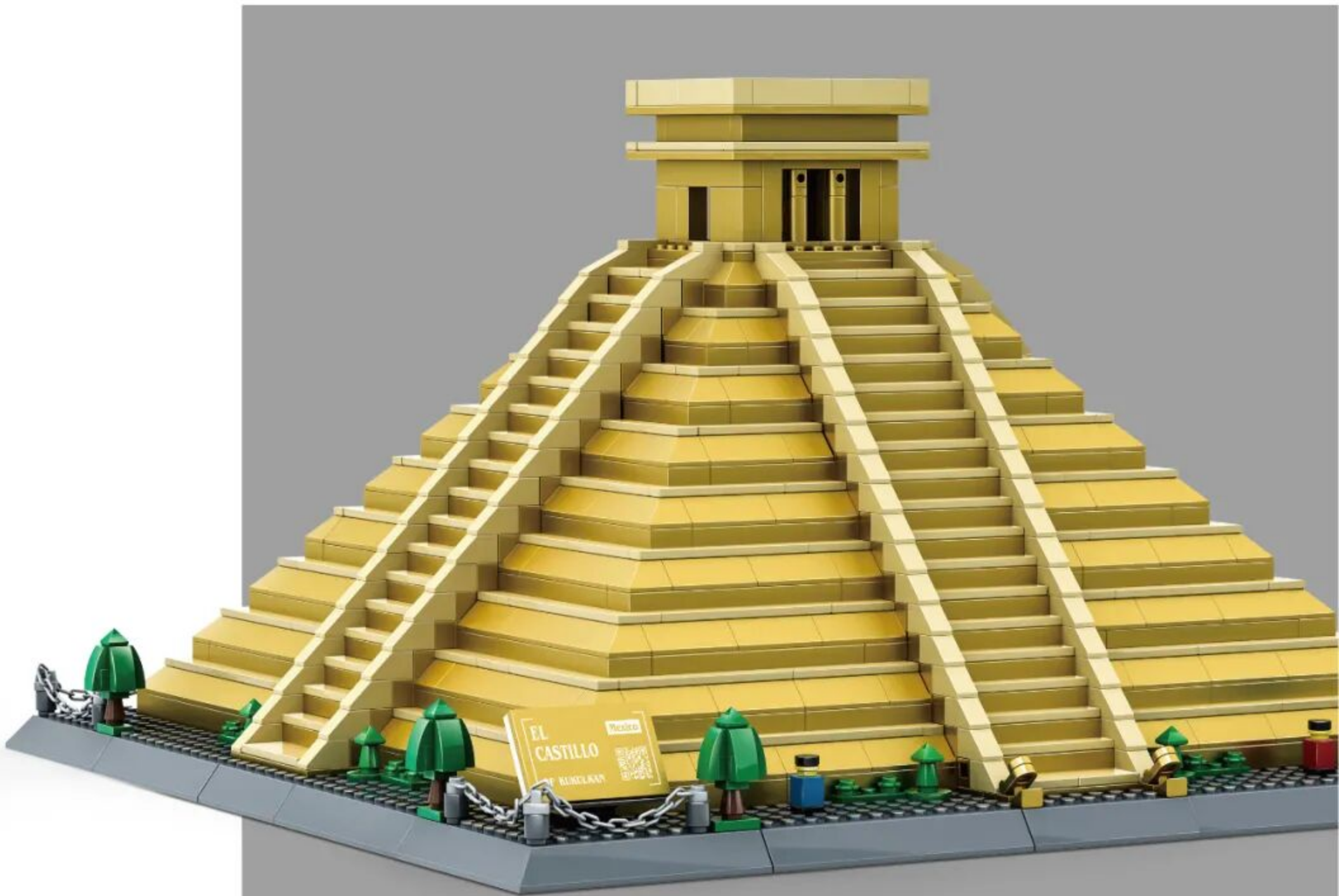
Pantone 7500C



Pantone 4625C



Pantone Cool Gray 6C



## Color matching

Adopting 3 main colors, Golden, YellowRice and DarkGreen as the main color, the more reasonable and bold color matching on the original building, making the product more atmospheric and the whole design is more reasonable.

# El Castillo

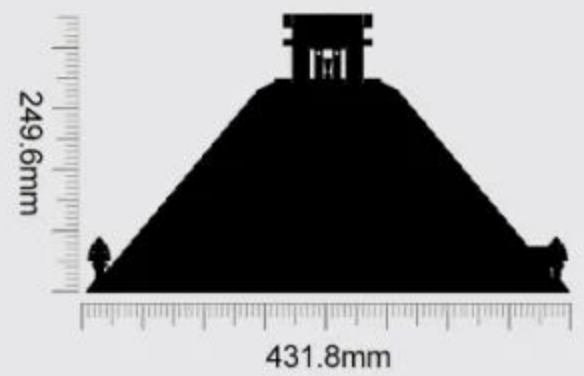
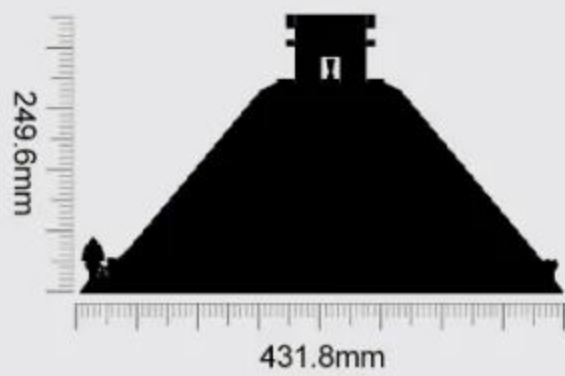
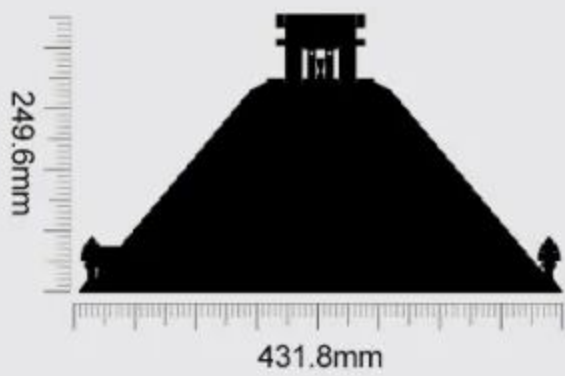
Templo de Kukulcán



Front

Left

Back

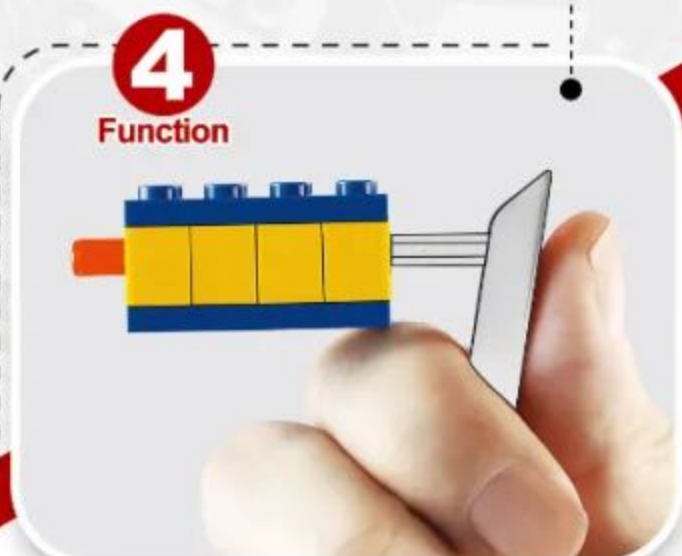
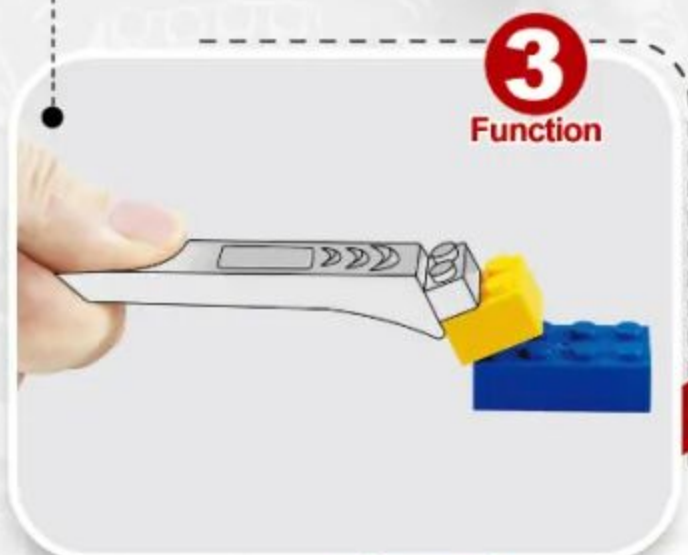
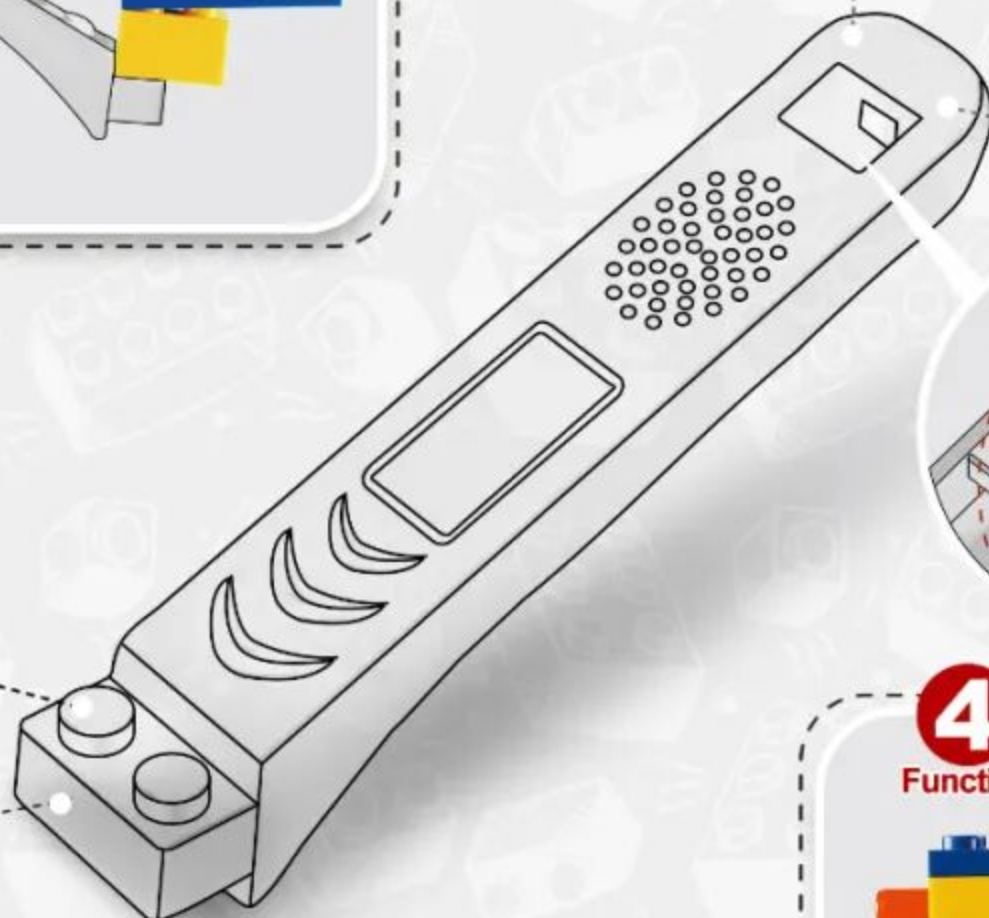
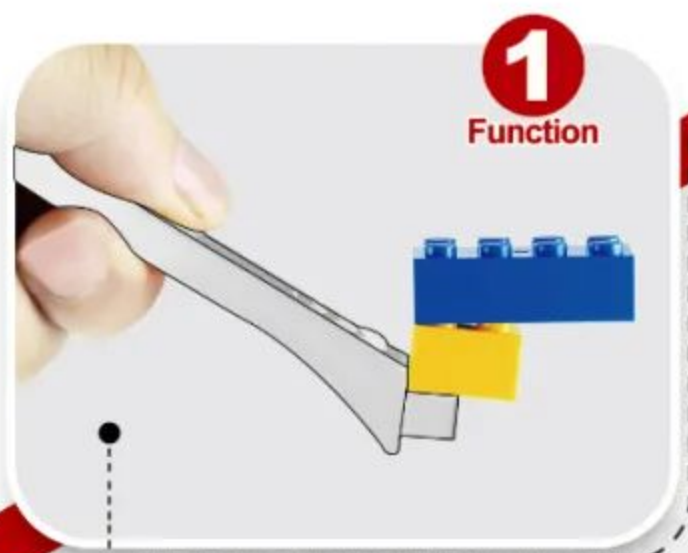


Product Size: 431.8X431.8X249.6mm



# Instructions For Use

积木起件器使用说明  
Brickseparator



4 ways to make installation easier  
让安装更简单



■ First open the product packaging according to the instructions.

按指导用正确方式拆解产品外包装。



■ Summarize all parts to count the number of familiar accessories.

对照说明书清单确认积木包数量与积木数量。



■ Arranging all accessories by color helps to quickly install the product.

把确认好的积木以类型、颜色进行分类排好以便安装。



■ Carefully install the product and learn about building.

按说明书步骤拼装并完成你的积木模型。



# 1:1 Physical Reference Table

十字棒配件1:1尺寸参照表



Instructions For Use

让安装更简单



**2**  $(1 \times 2) = 2$



**3**  $(1 \times 3) = 3$



**4**  $(1 \times 4) = 4$



**5**  $(1 \times 5) = 5$



**6**  $(1 \times 6) = 6$



**7**  $(1 \times 7) = 7$



**8**  $(1 \times 8) = 8$



**9**  $(1 \times 9) = 9$



**10**  $(1 \times 10) = 10$



**12**  $(1 \times 12) = 12$

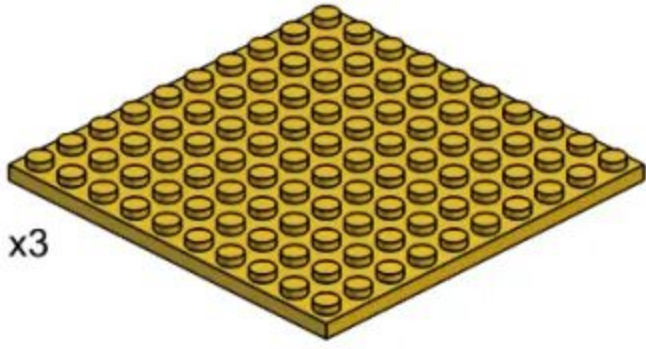


**16**  $(1 \times 16) = 16$

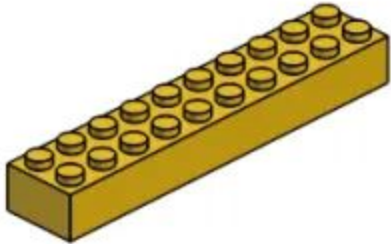


# PARTS LIST

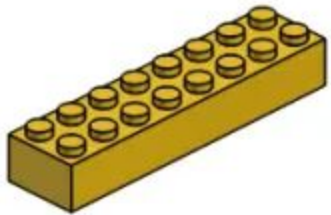
配件清单



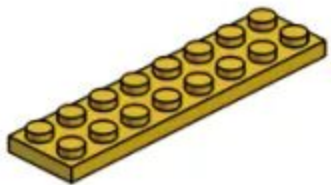
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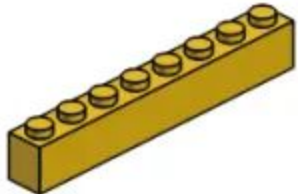
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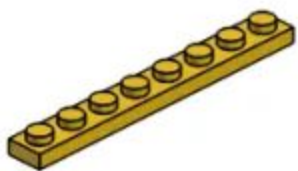
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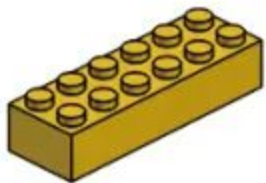
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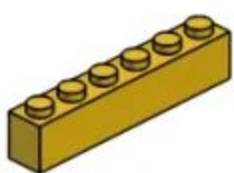
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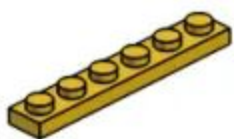
x8



x12



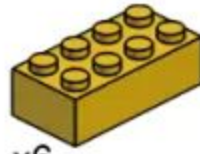
x3



x2



x4



x6



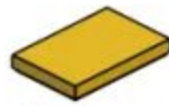
x128



x2



x2



x2



x2



x32



x36



x1



x4



x4



x1



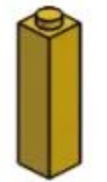
x1



x4



x2



x4



x4



x2



x2



x2



x4



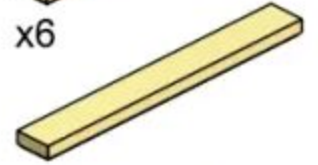
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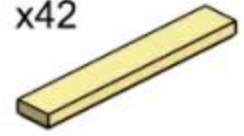
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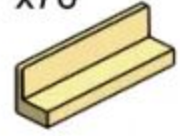
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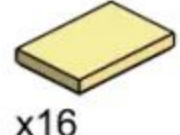
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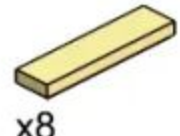
x76



x8



x16



x8



x8



x36



x8



x136



x12



x1



x4



x8



x1



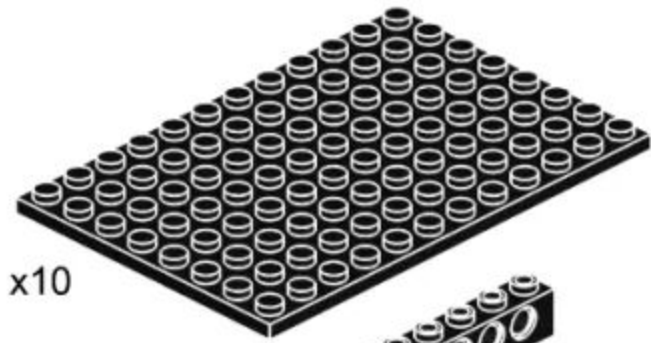
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产品有增补件请以实物为准

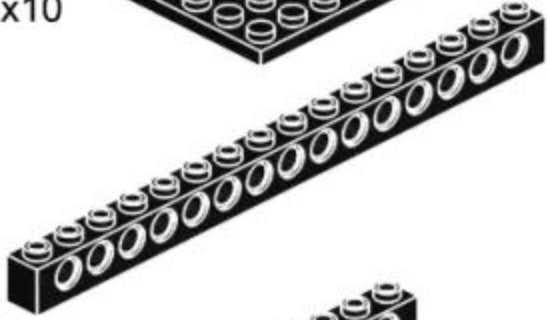
If product has additional parts, please in kind prevail.

# PARTS LIST

配件清单



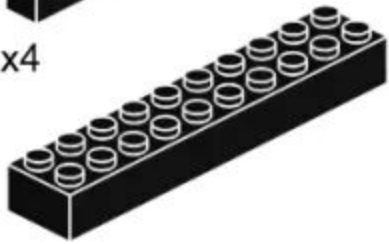
x10



x4



x4



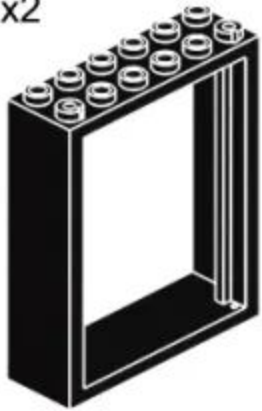
x8



x2



x2



x52



x20



x16



x10



x2



x4



x48



x1



x20



x1



x2



x48



x72



x2



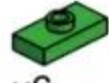
x2



x6



x24



x6



x6



x6



x6



x6



x24



x12



x12



x6



x12



x1



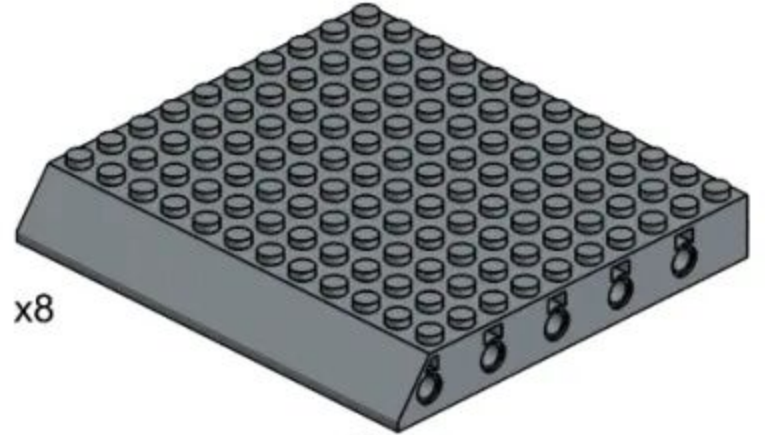
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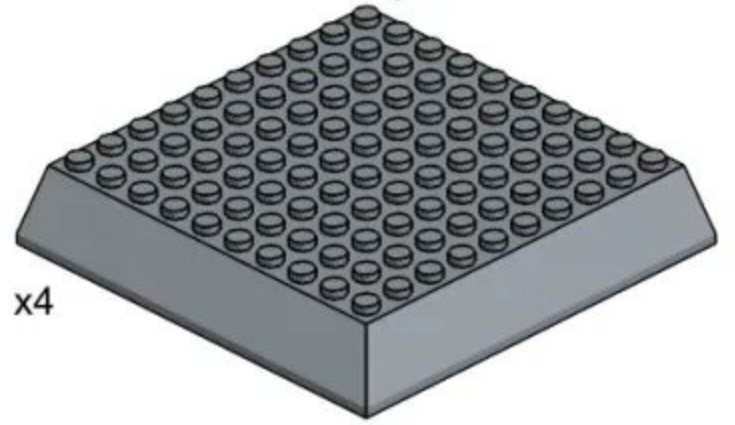
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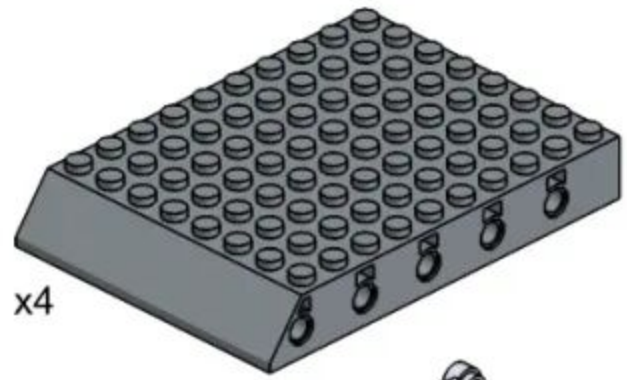
x1



x8



x4



x4



x4



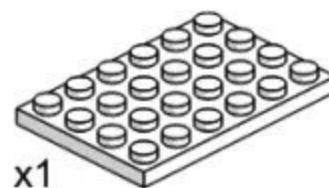
x12



x4



x1



x1



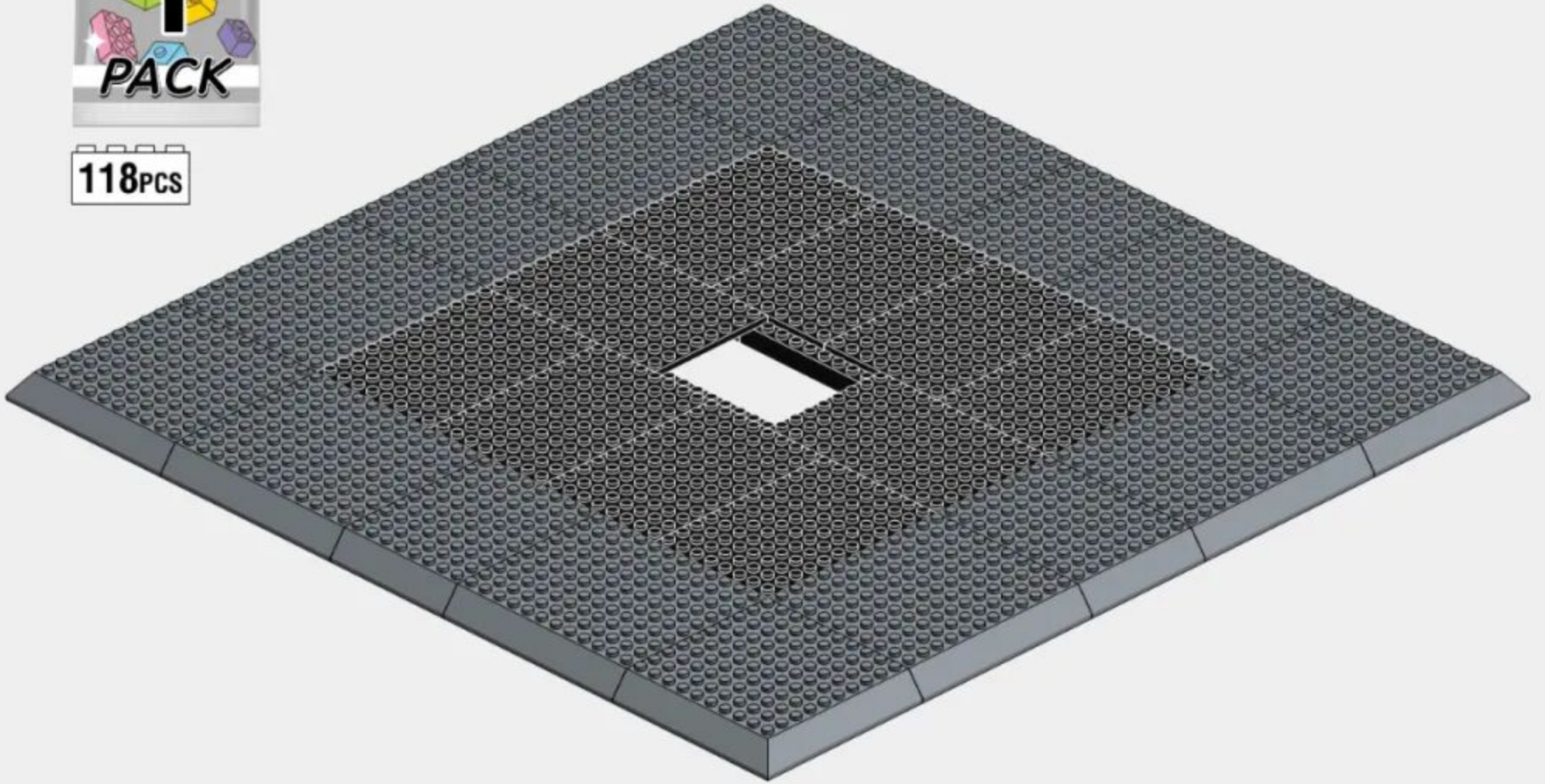
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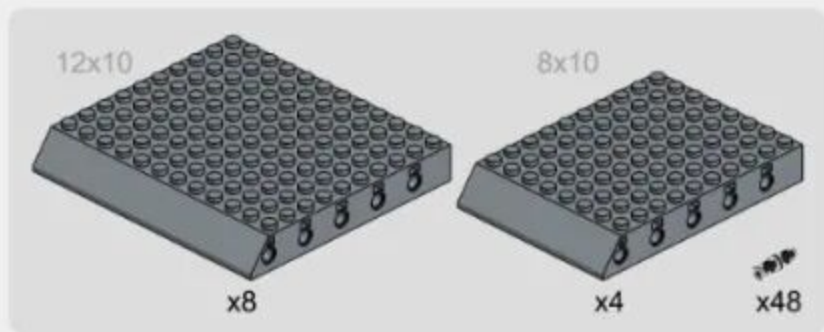


118PCS

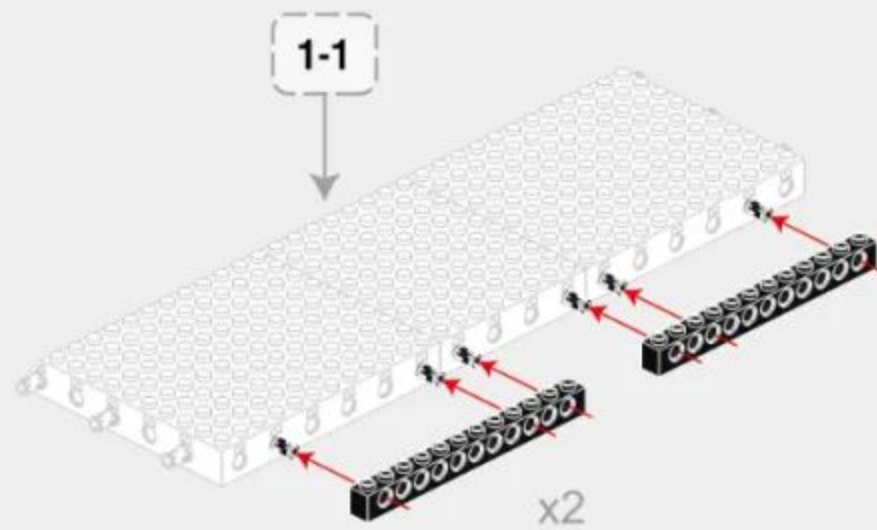
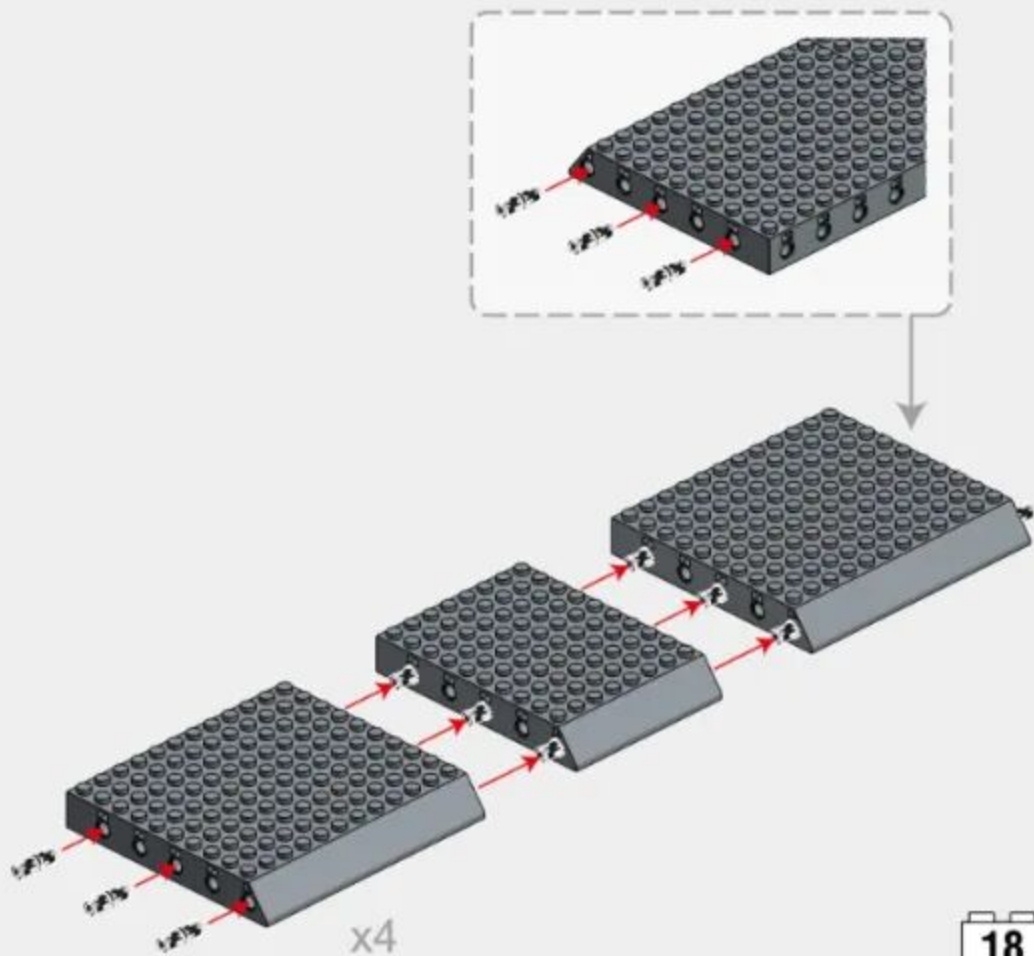
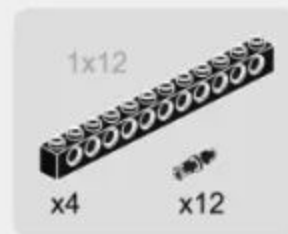


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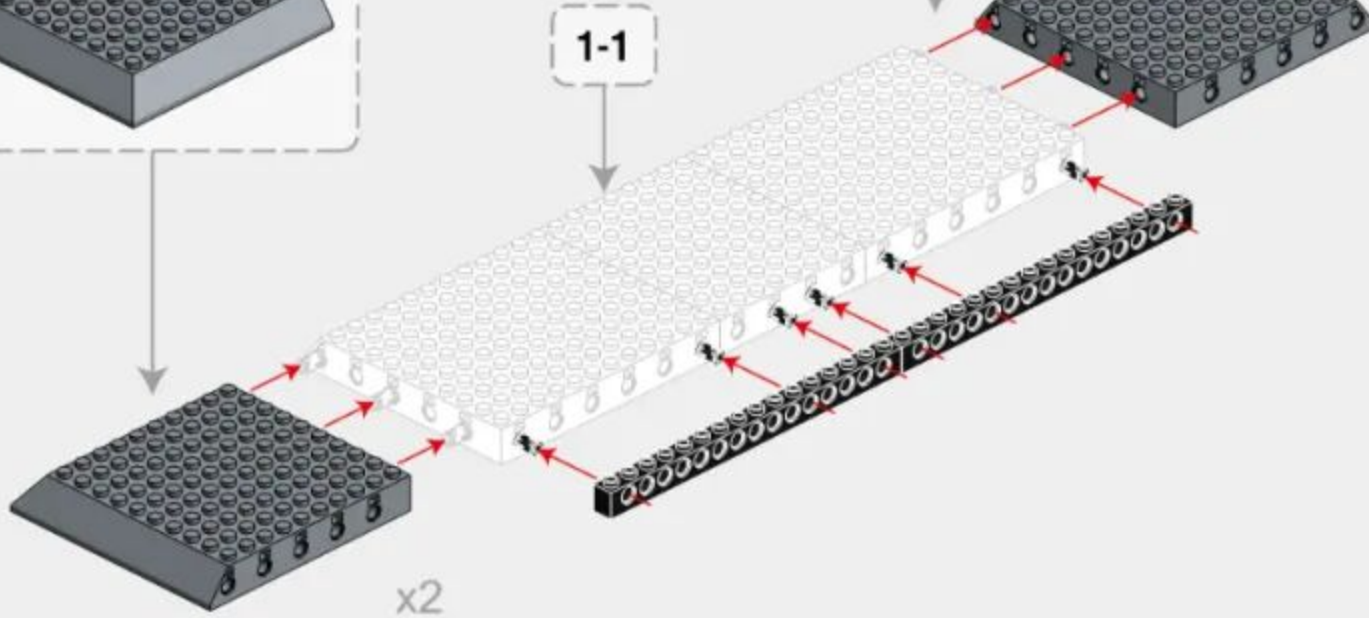
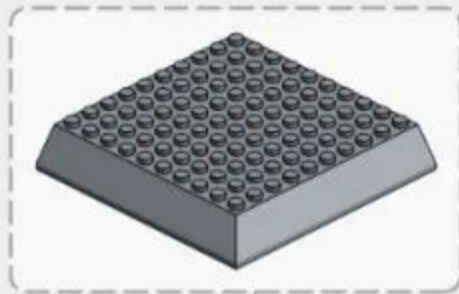
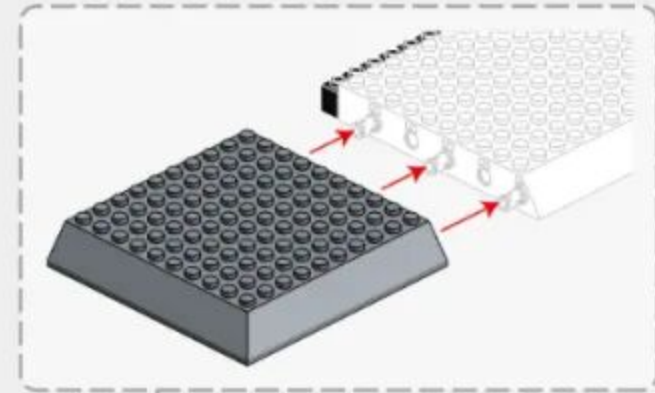
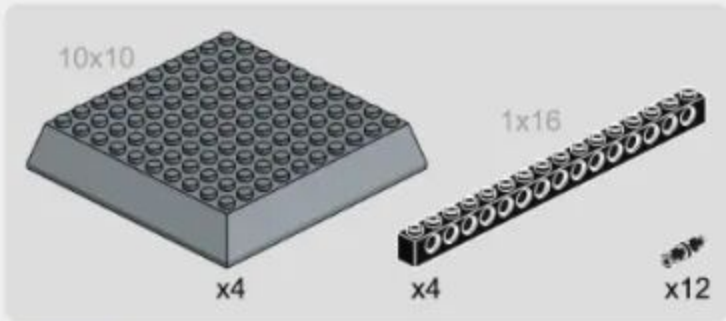
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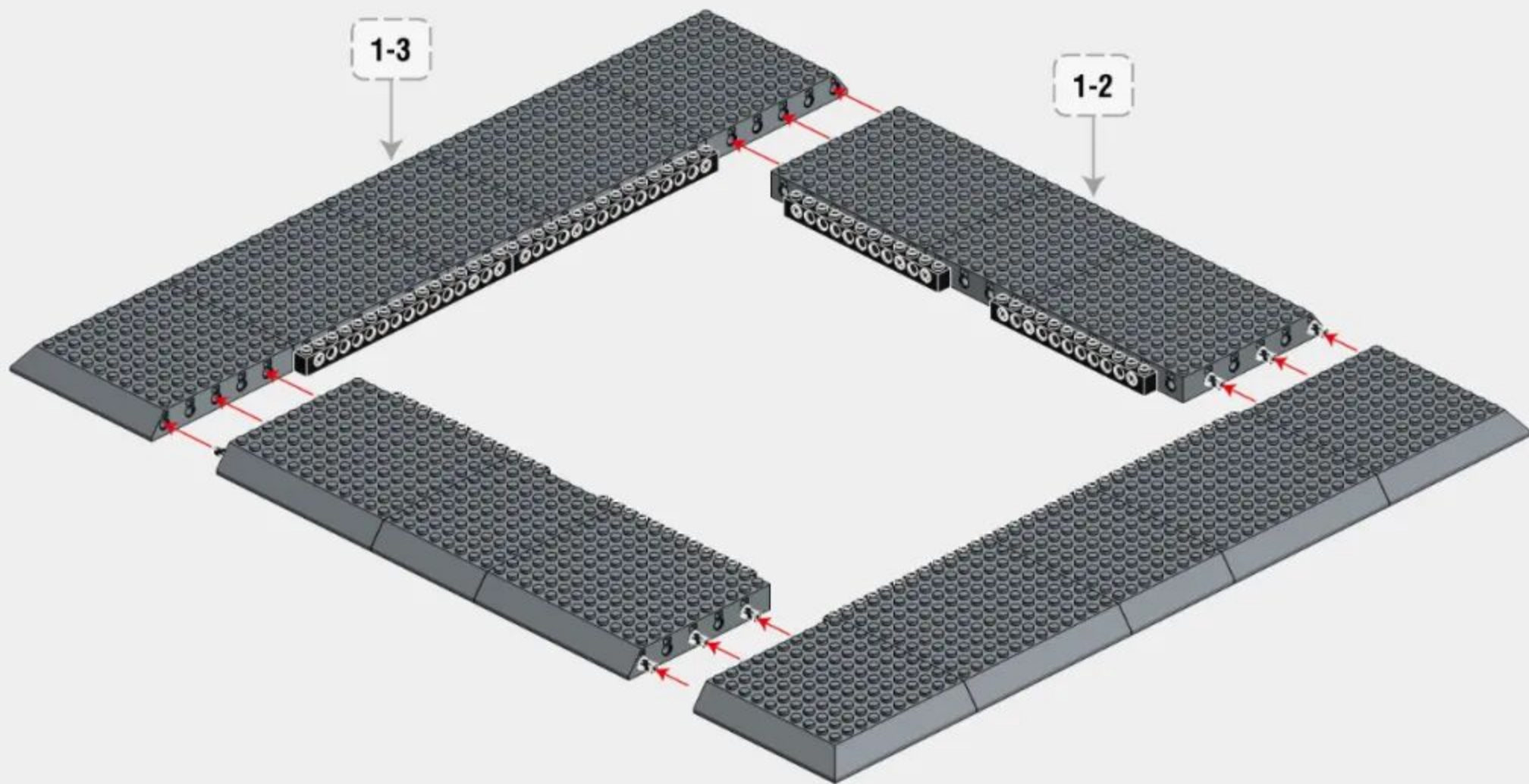
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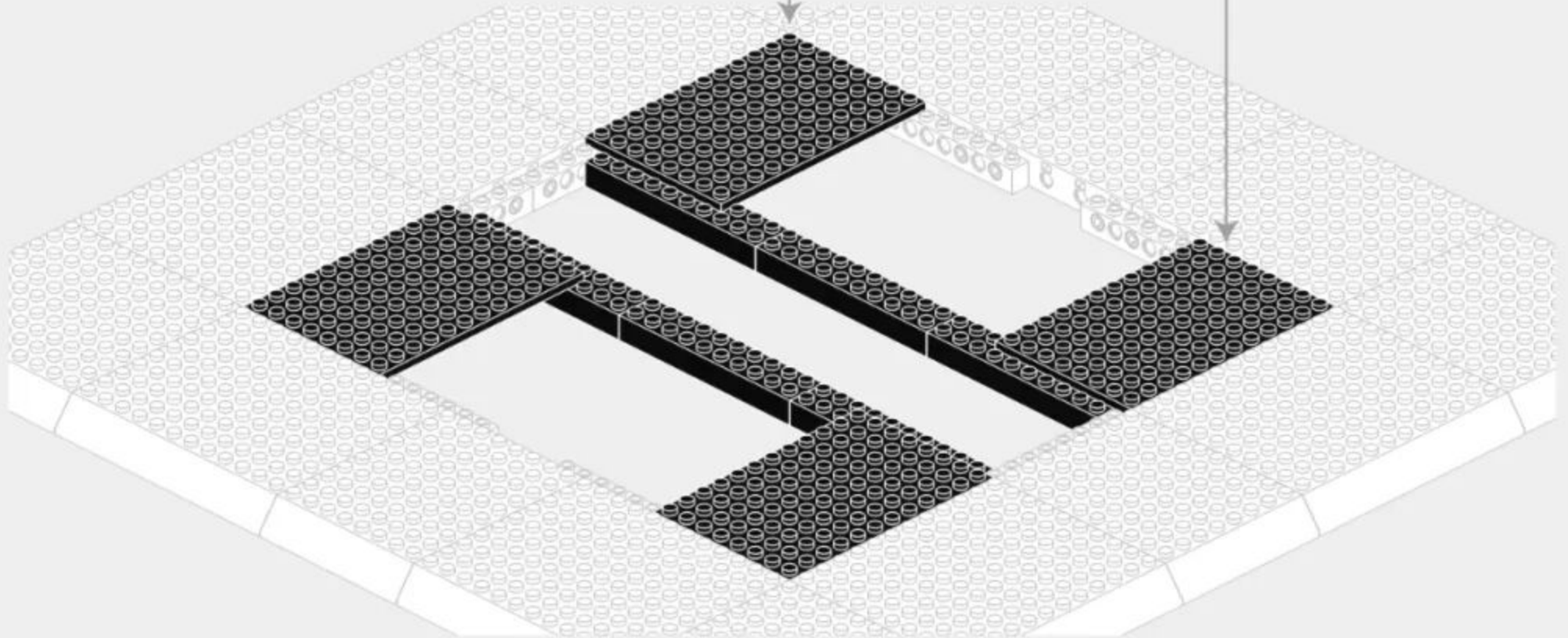
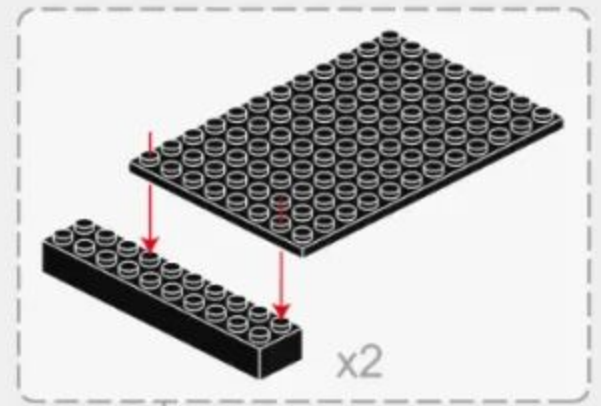
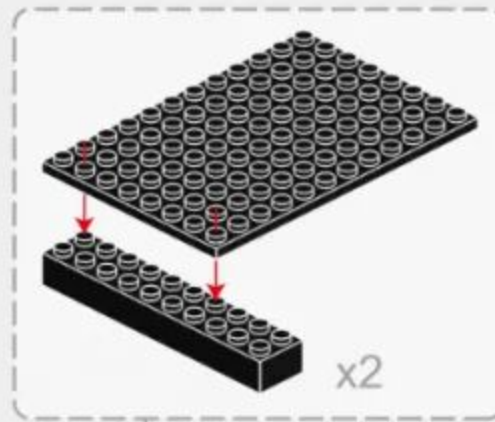
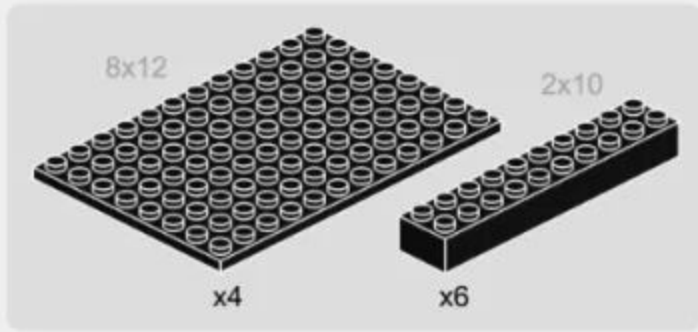
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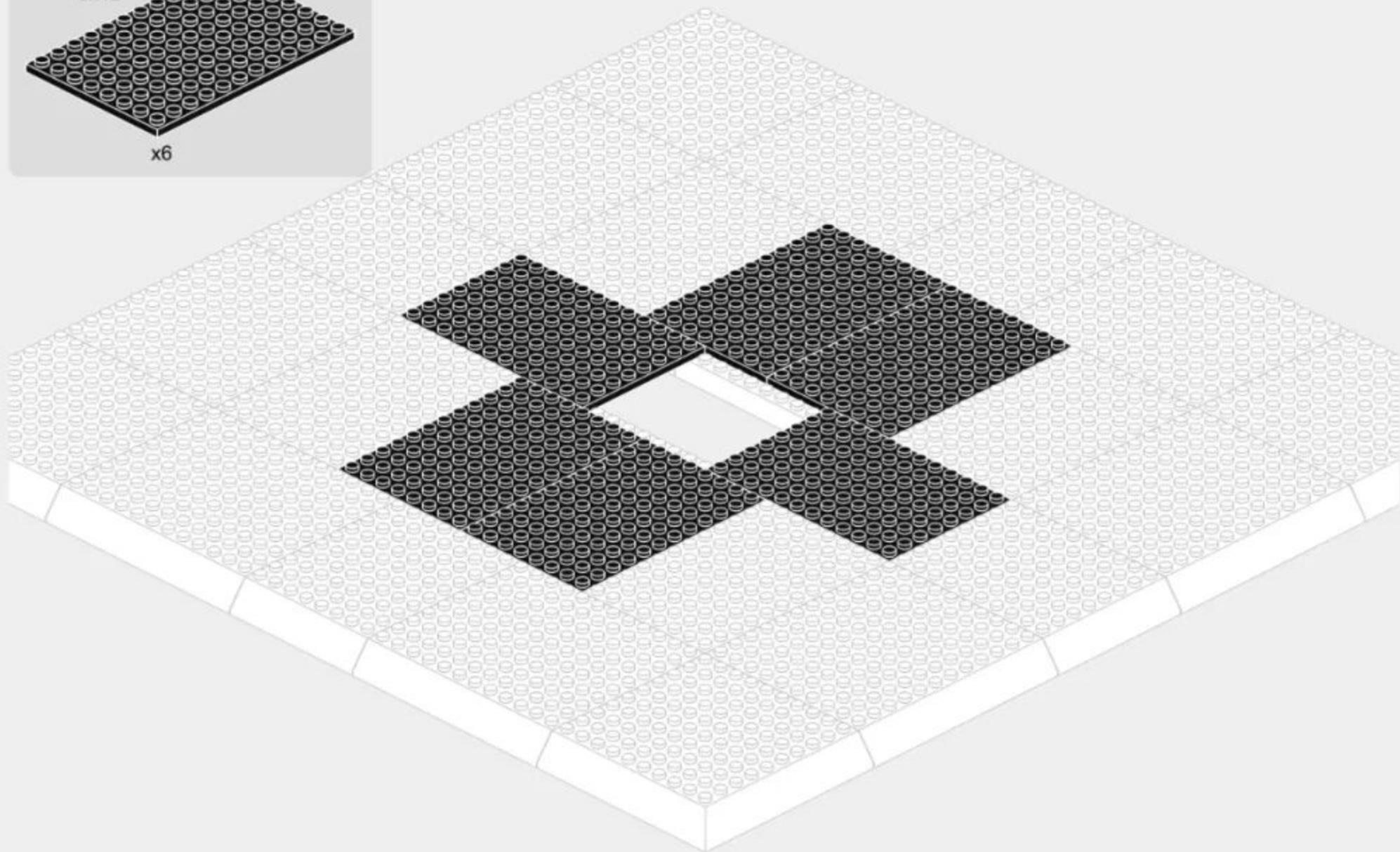
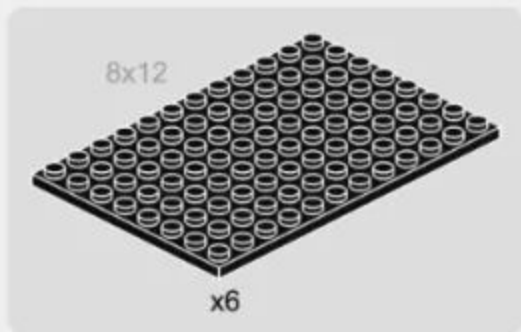
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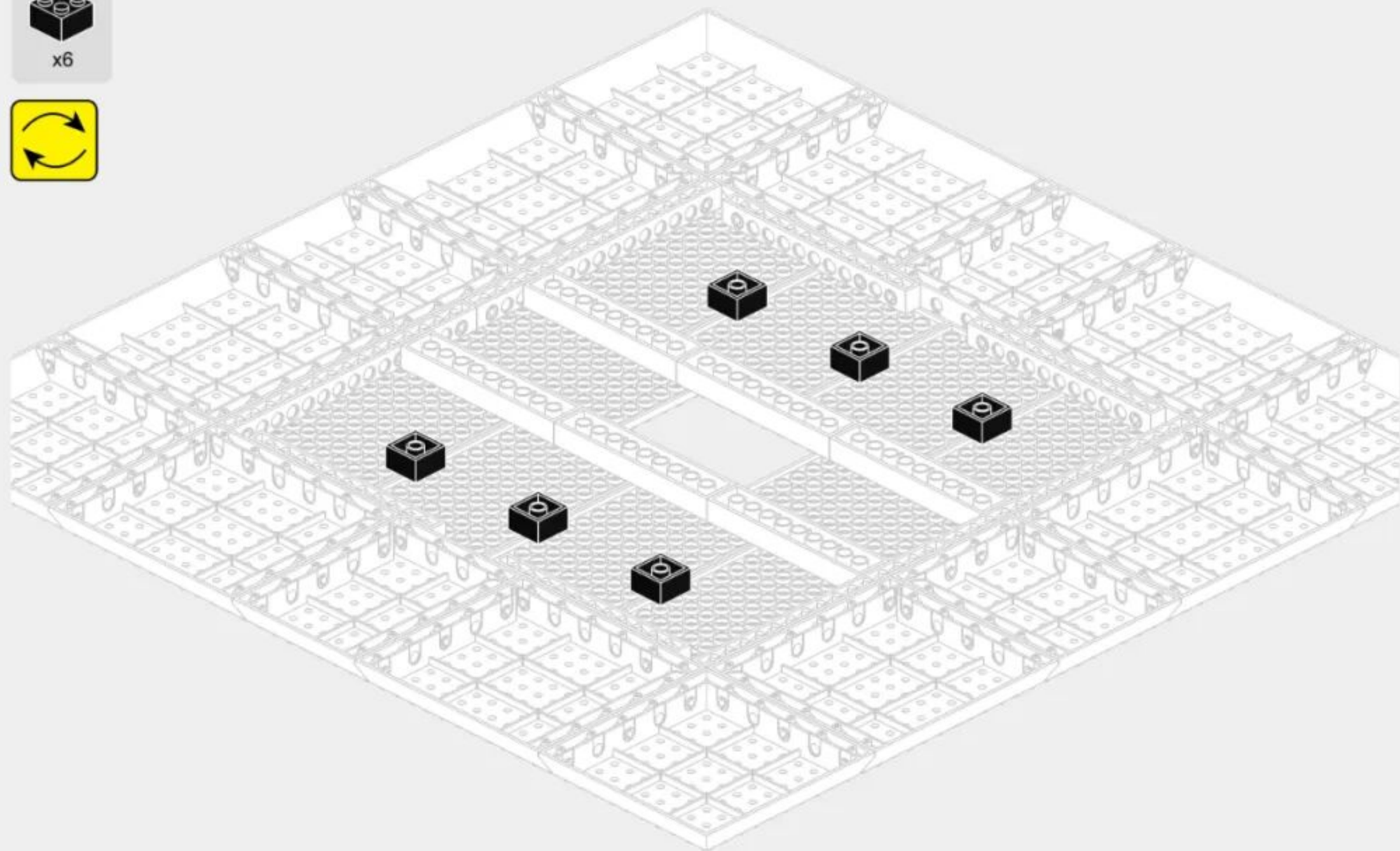
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1-6

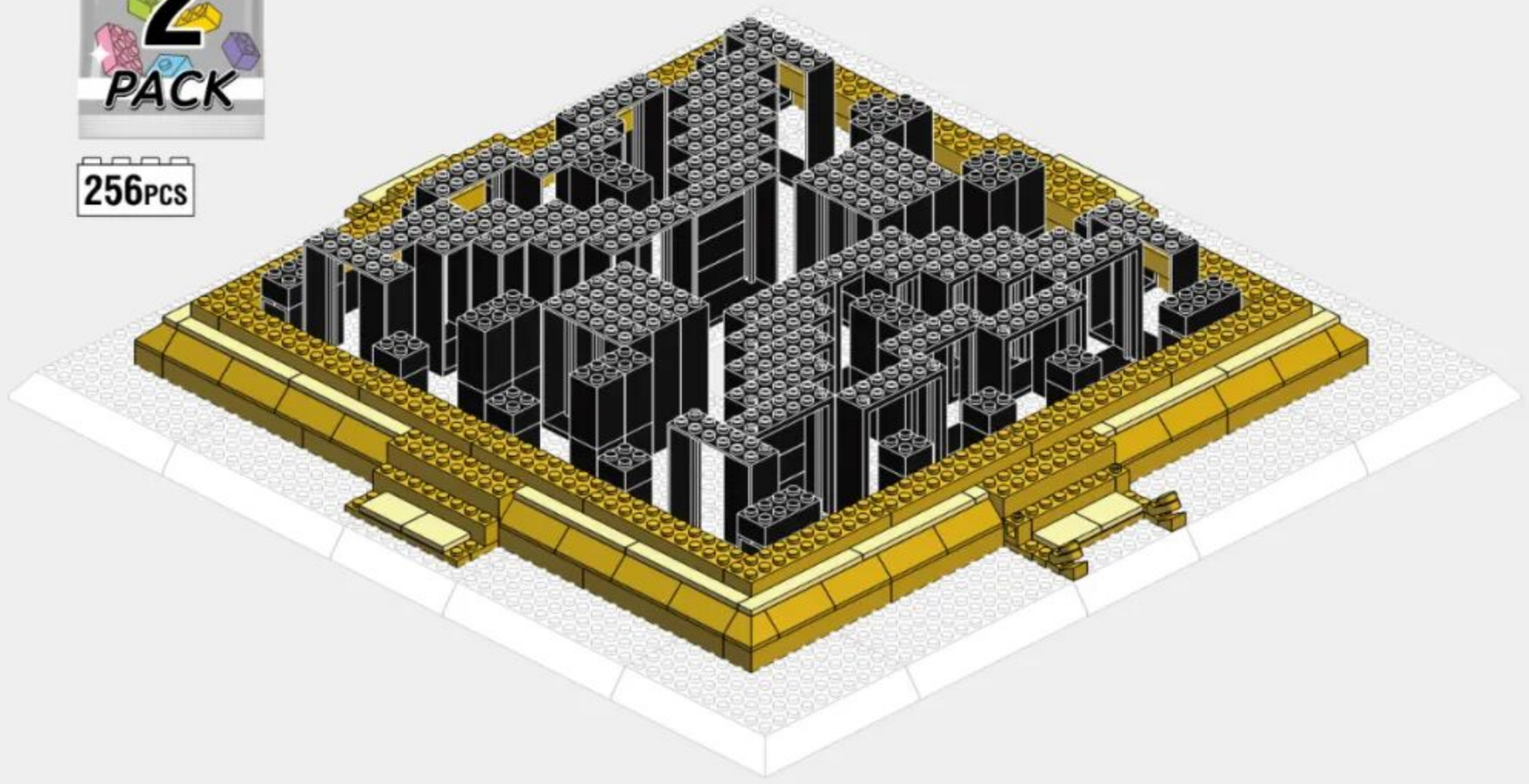


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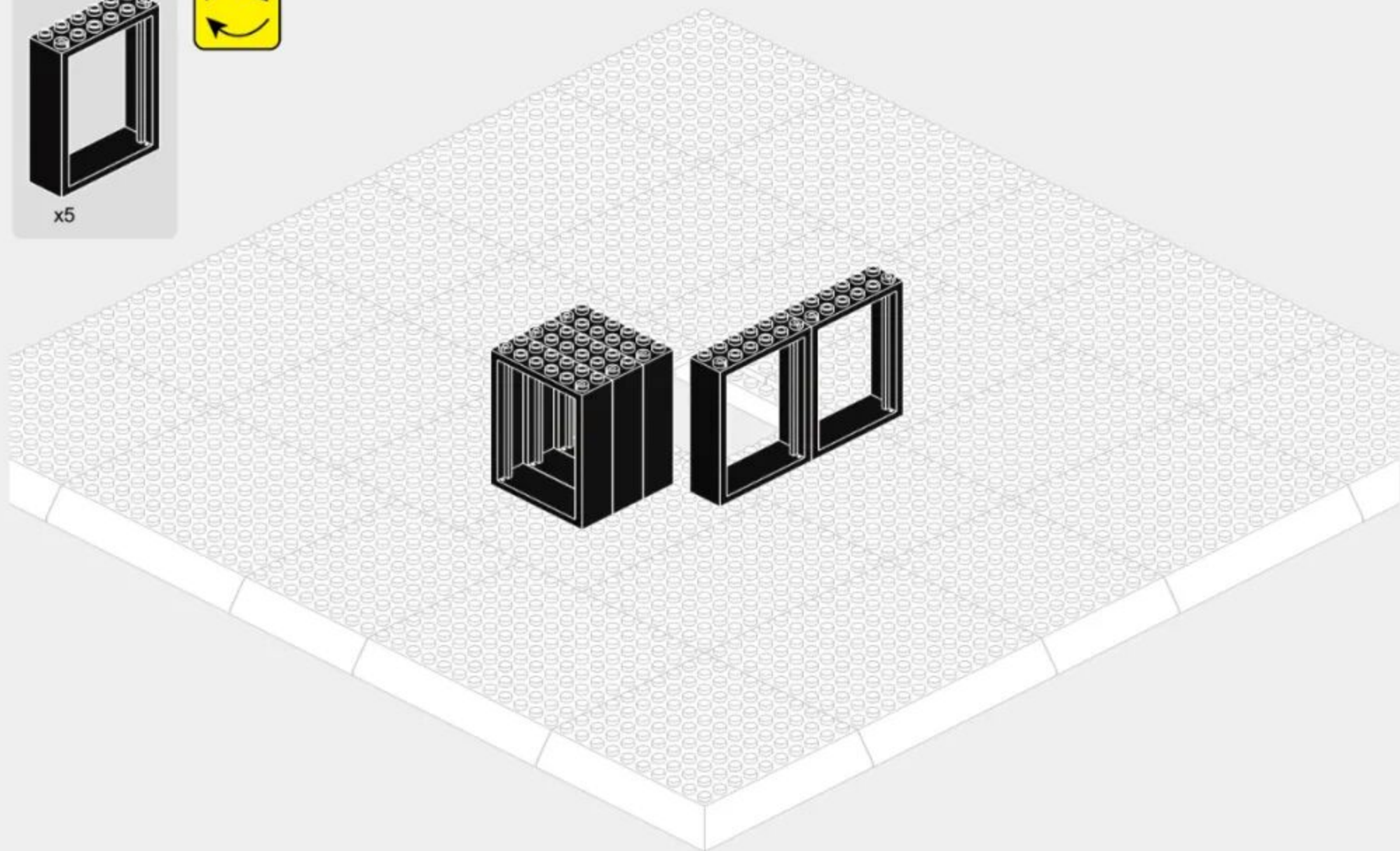




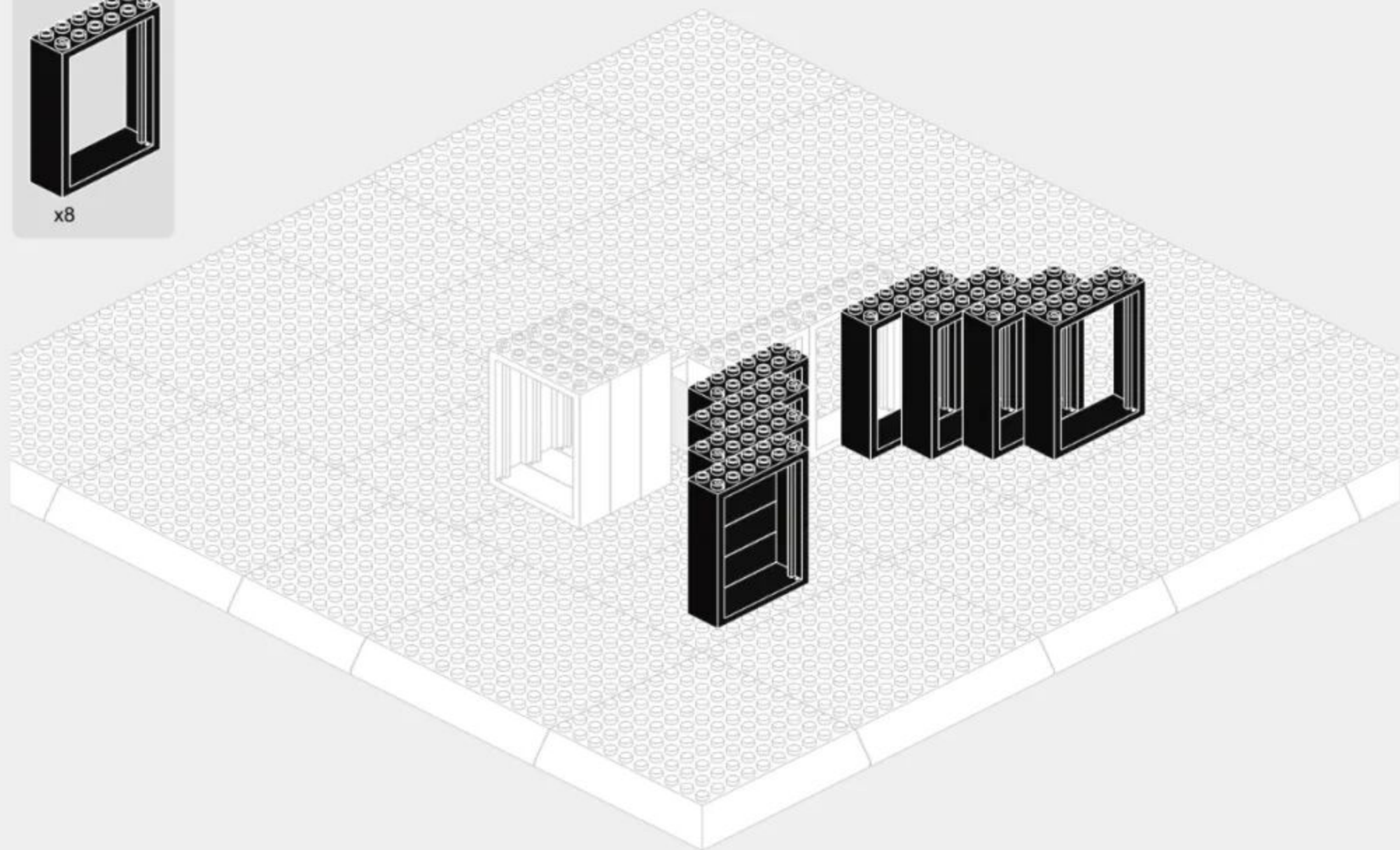
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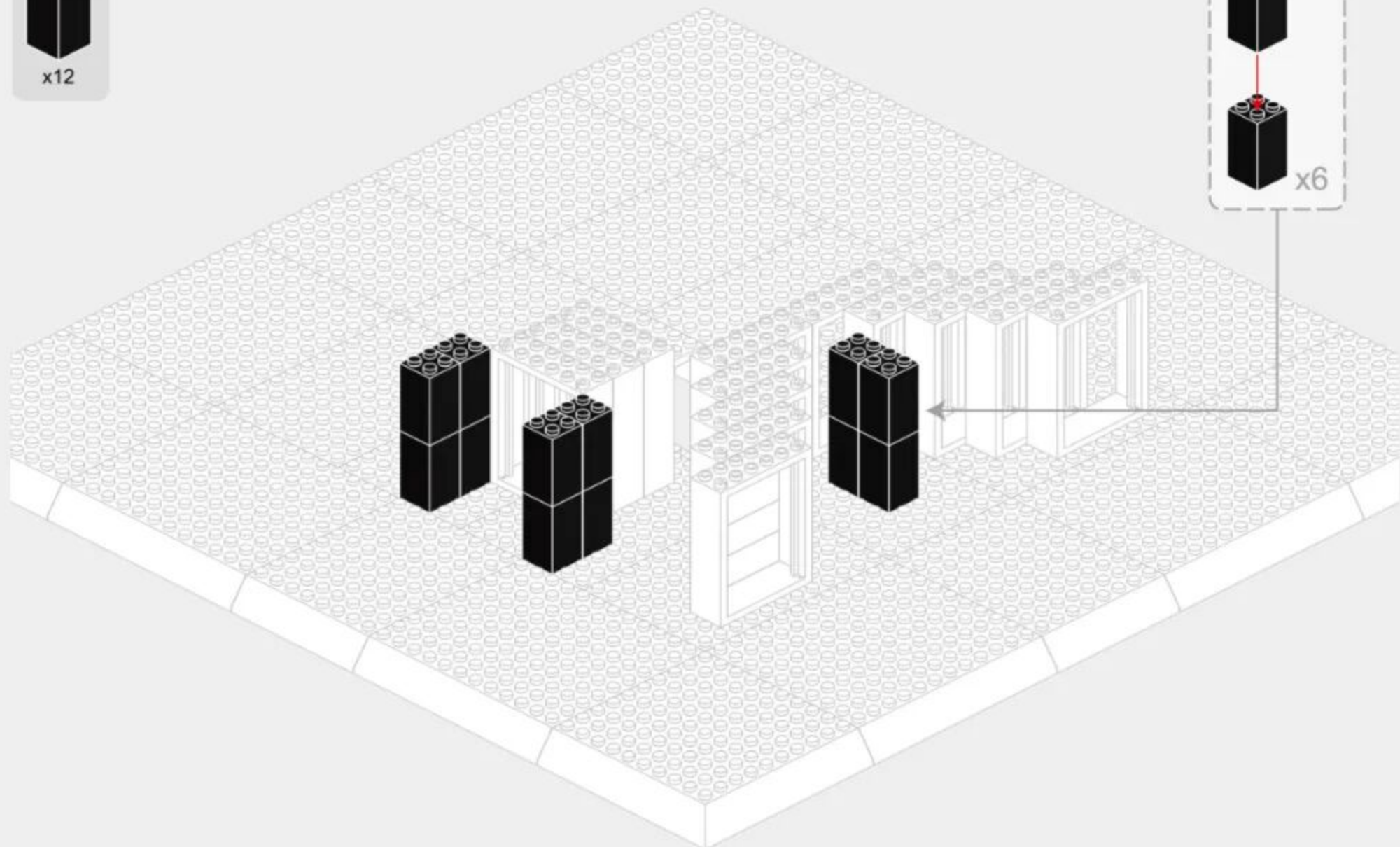
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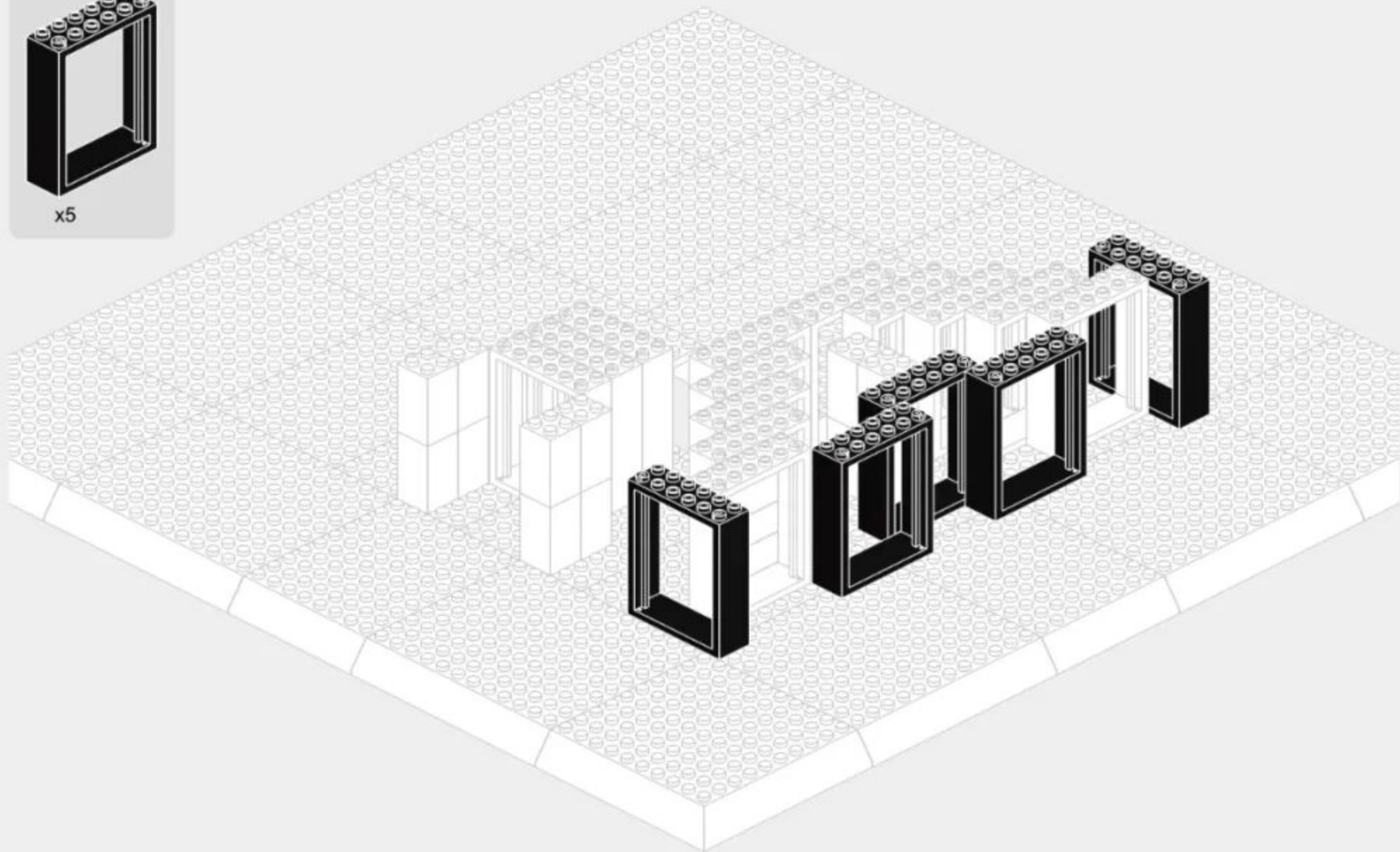
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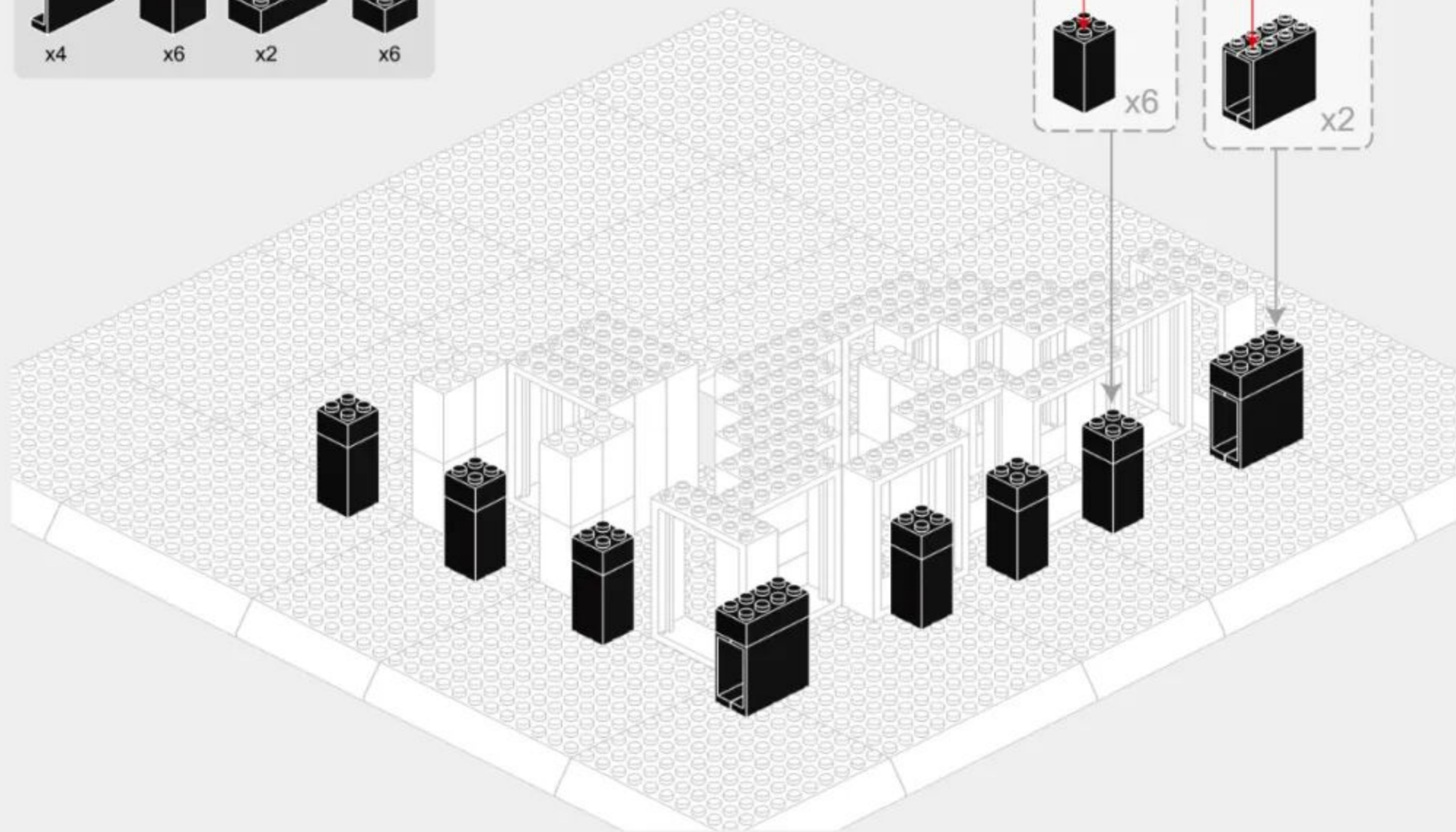
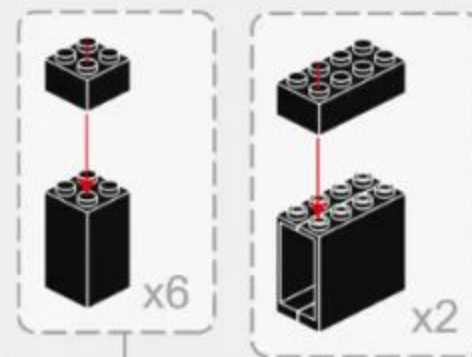
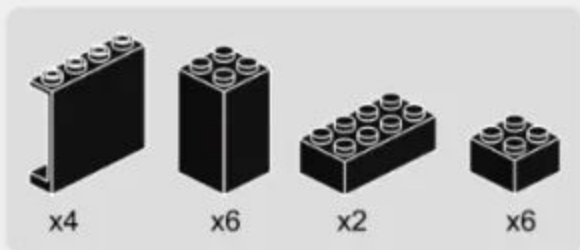
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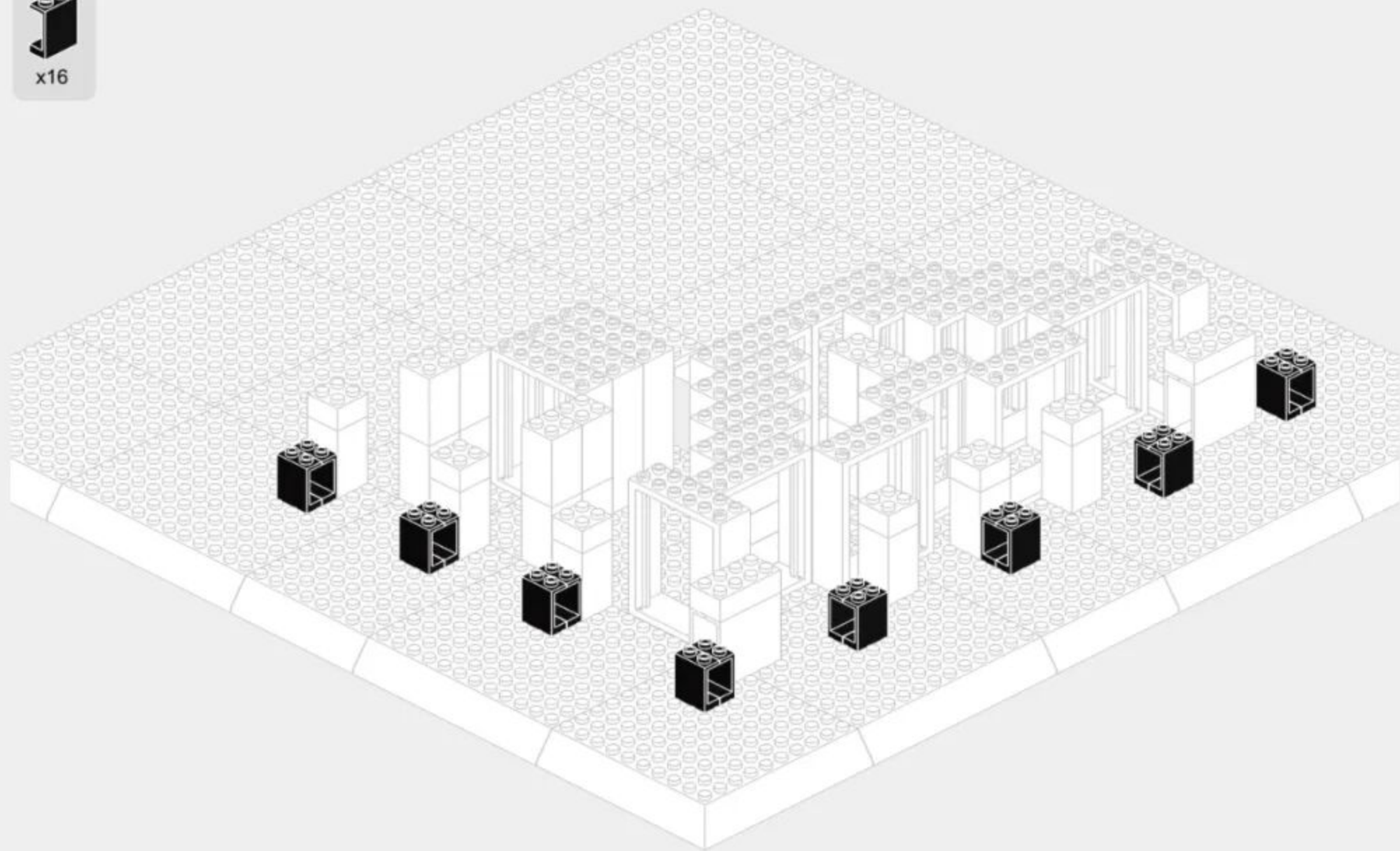
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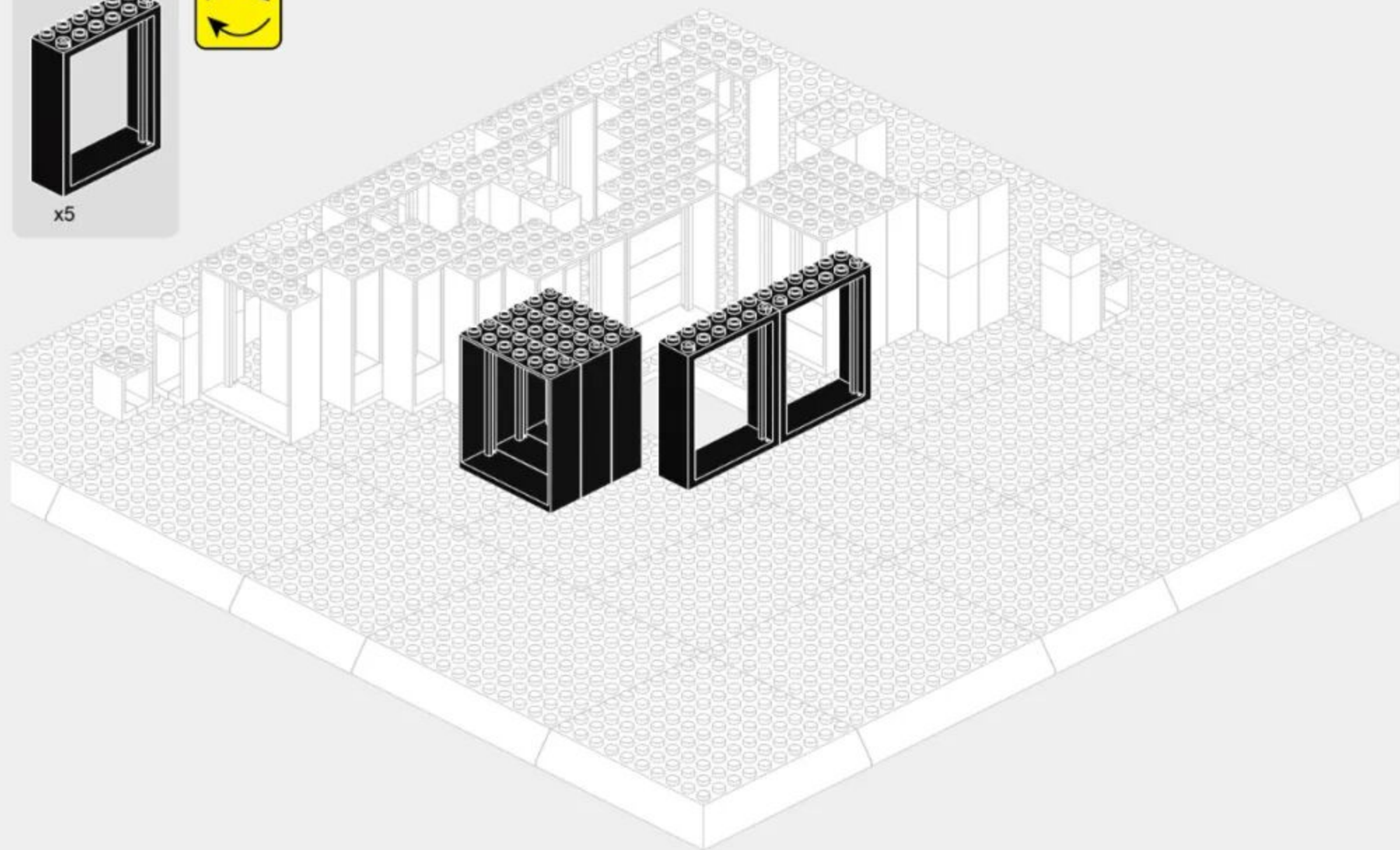
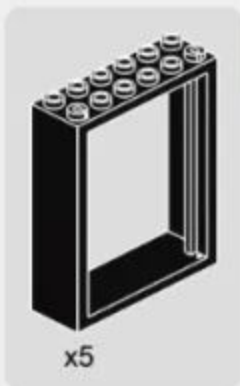
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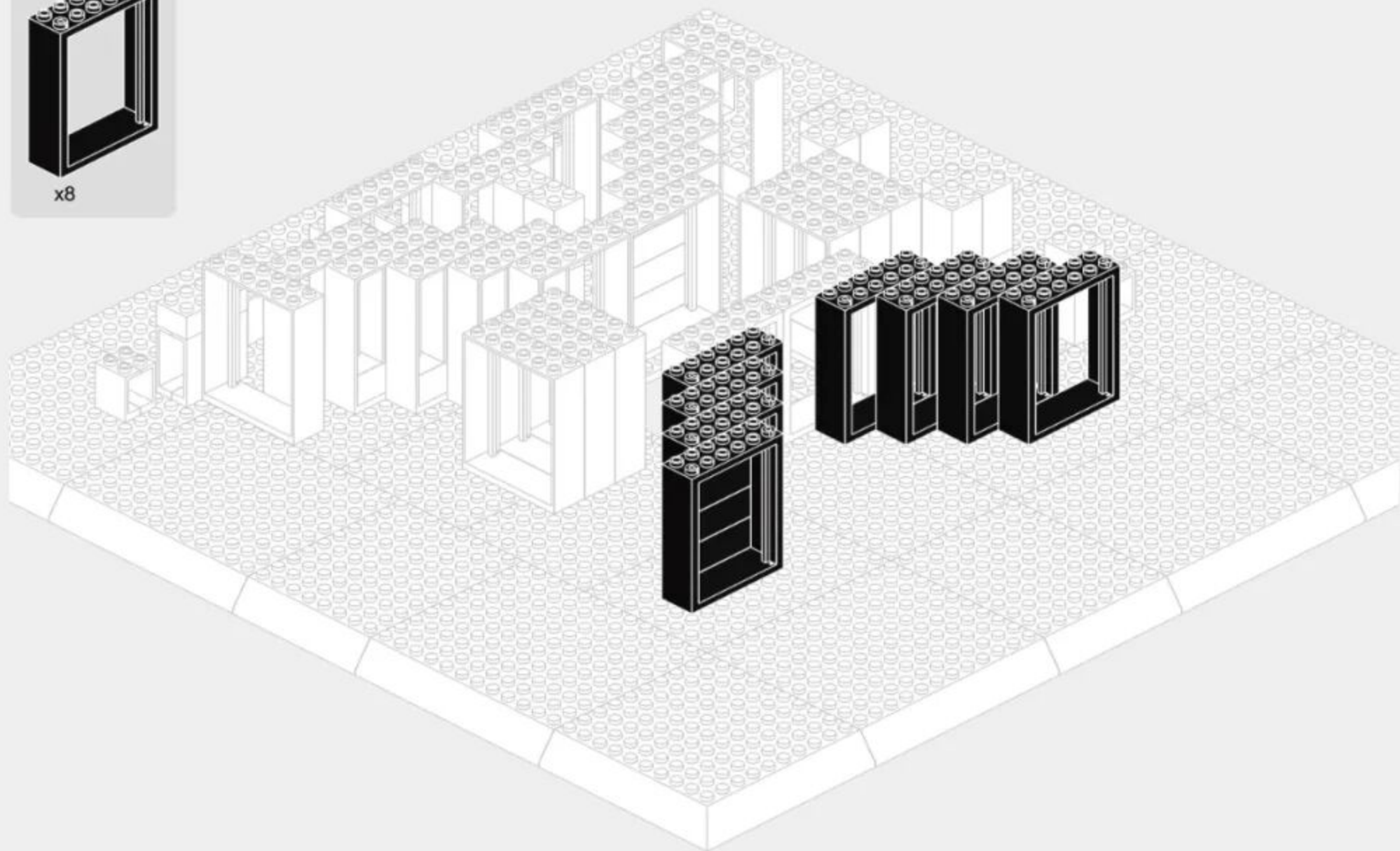
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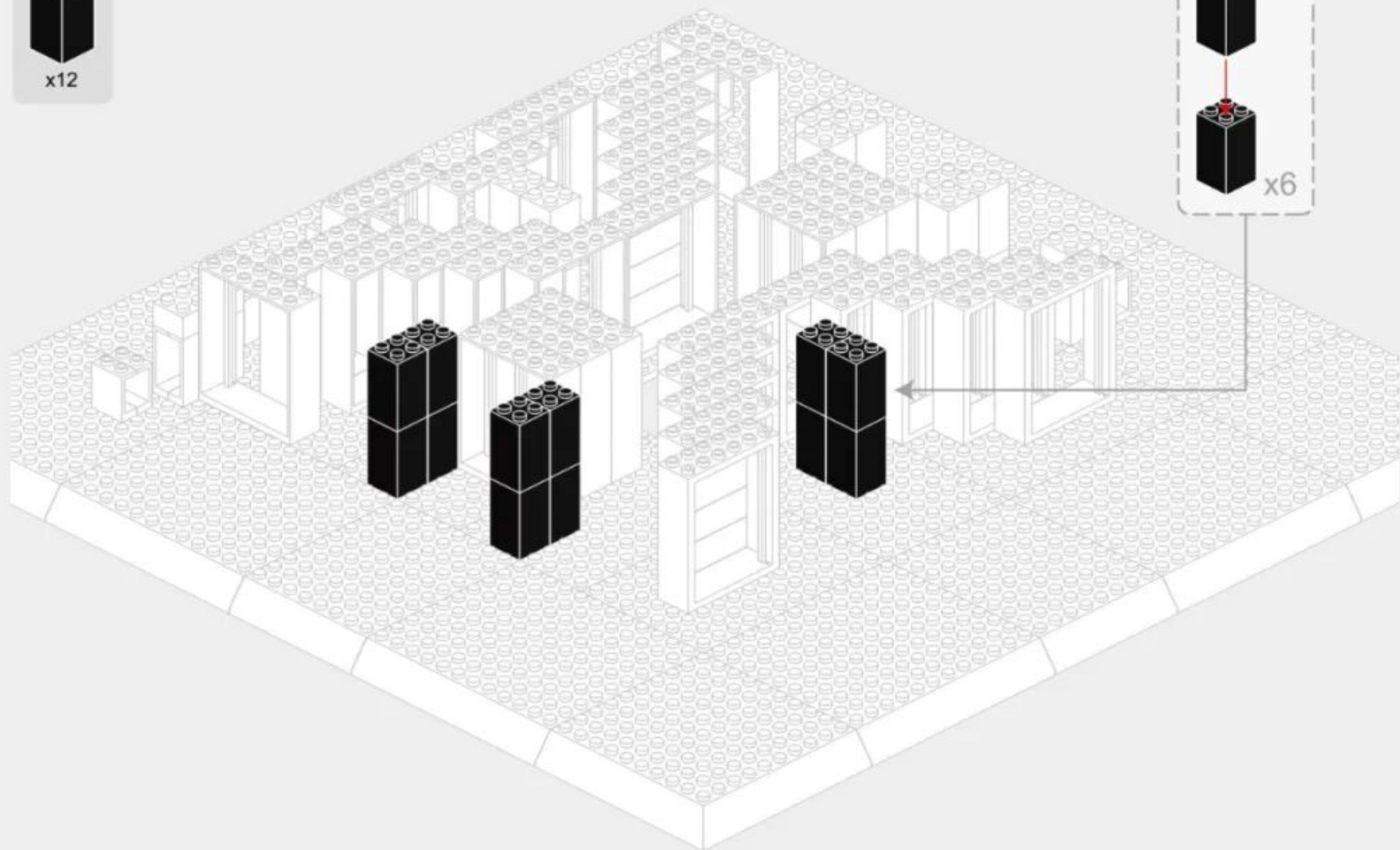
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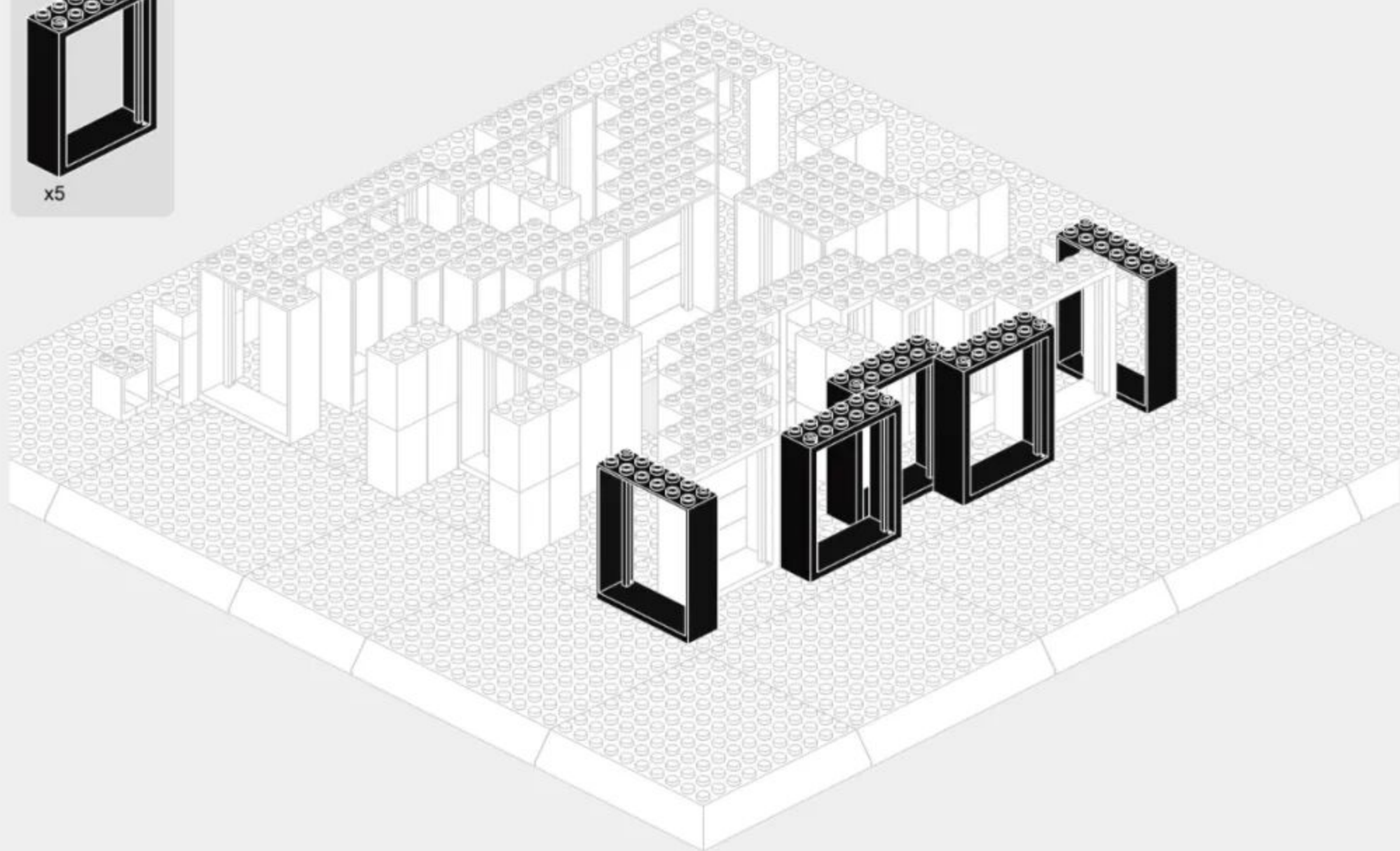
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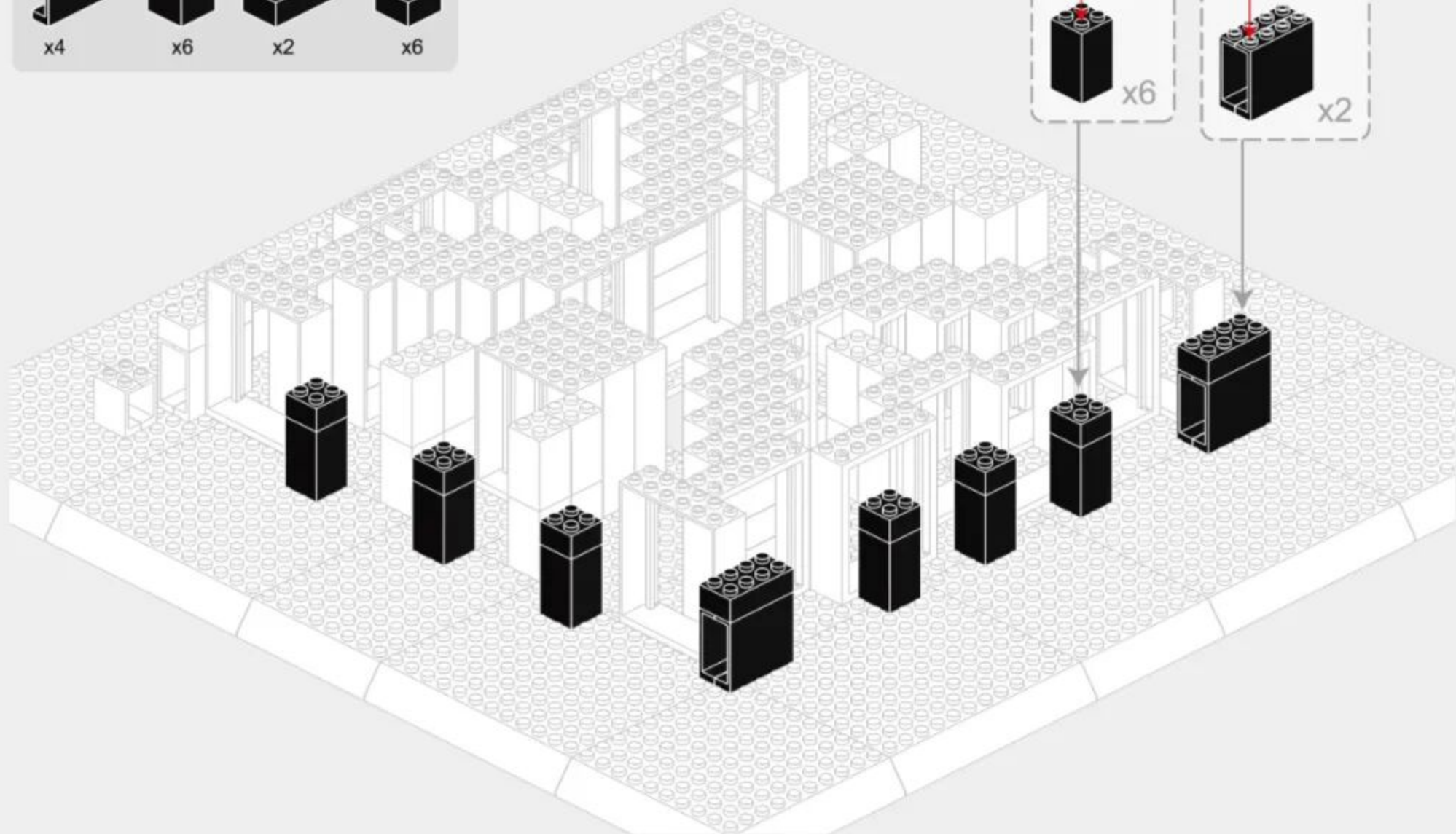
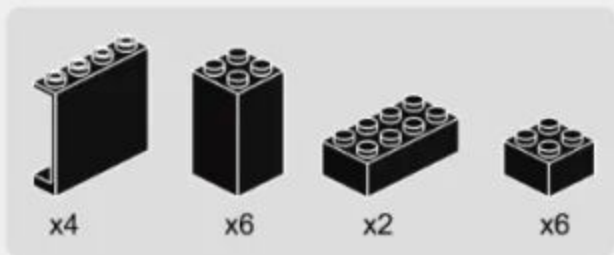
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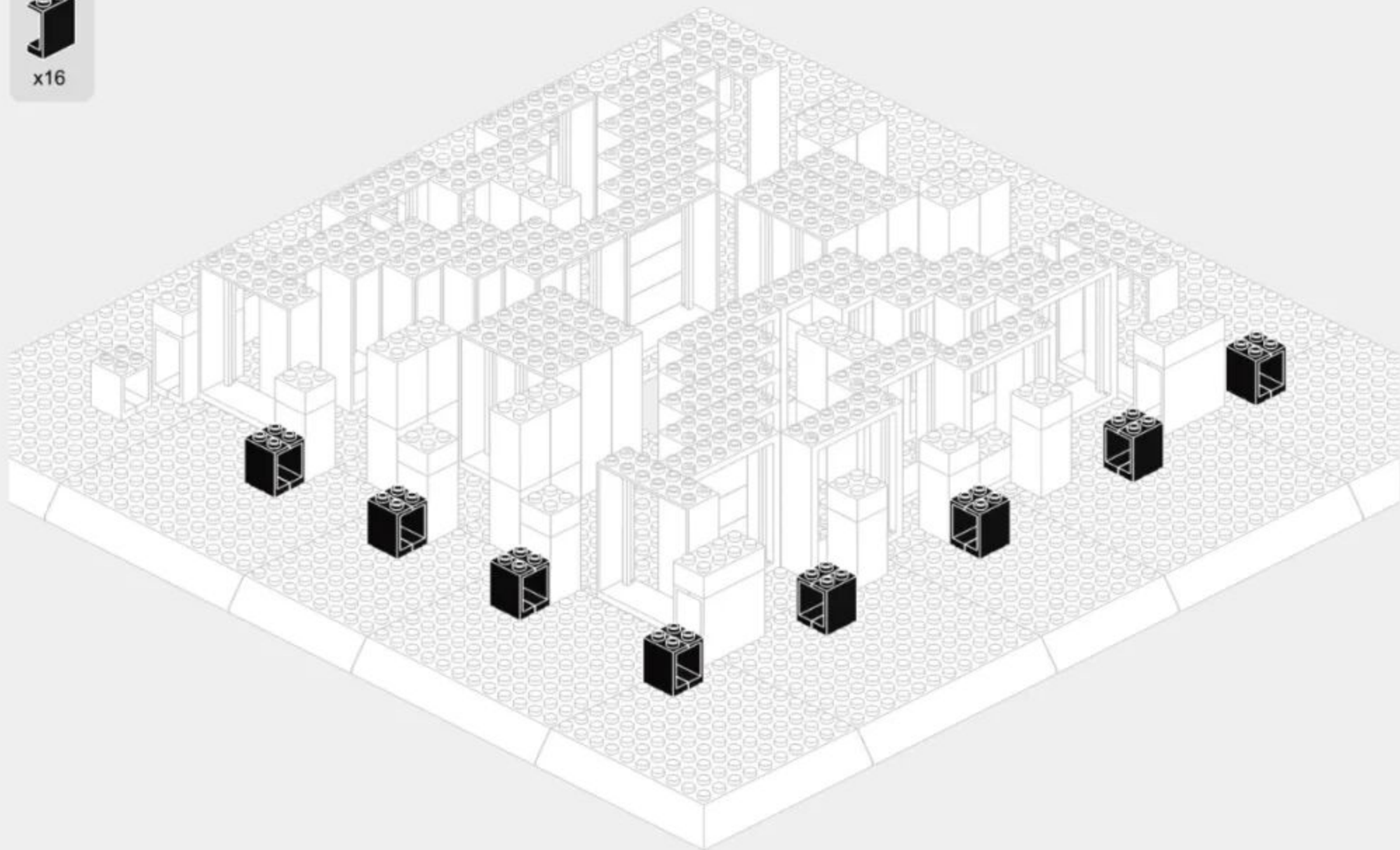
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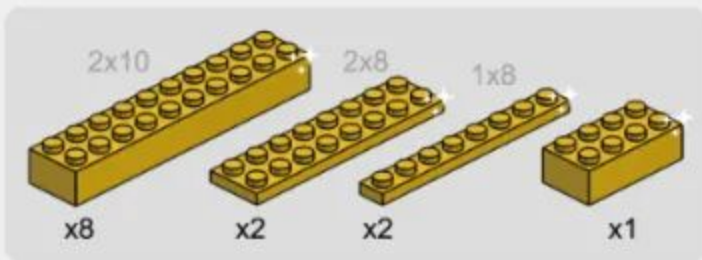
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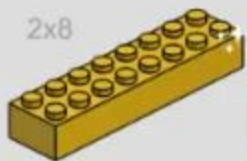
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2-15

2x8



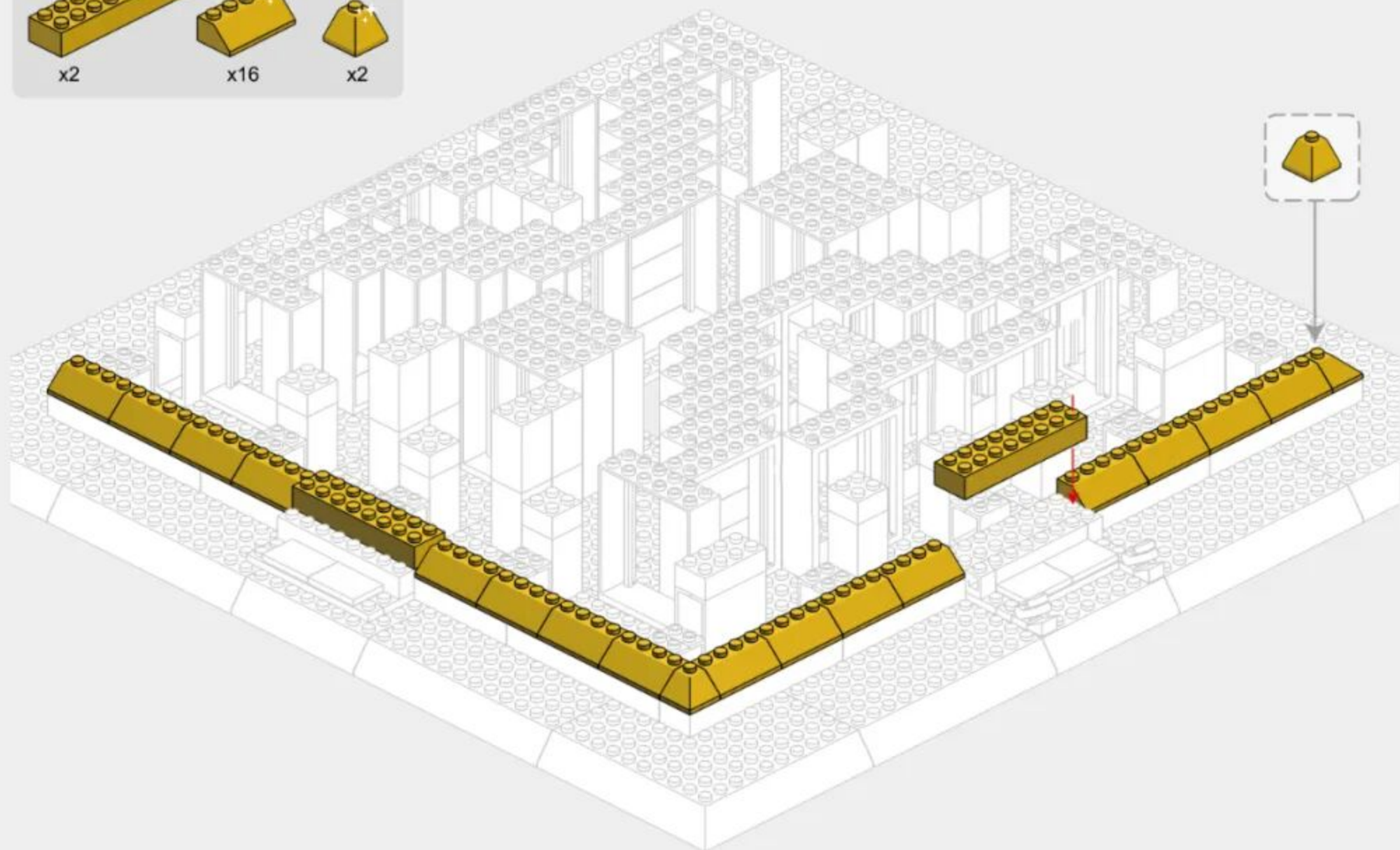
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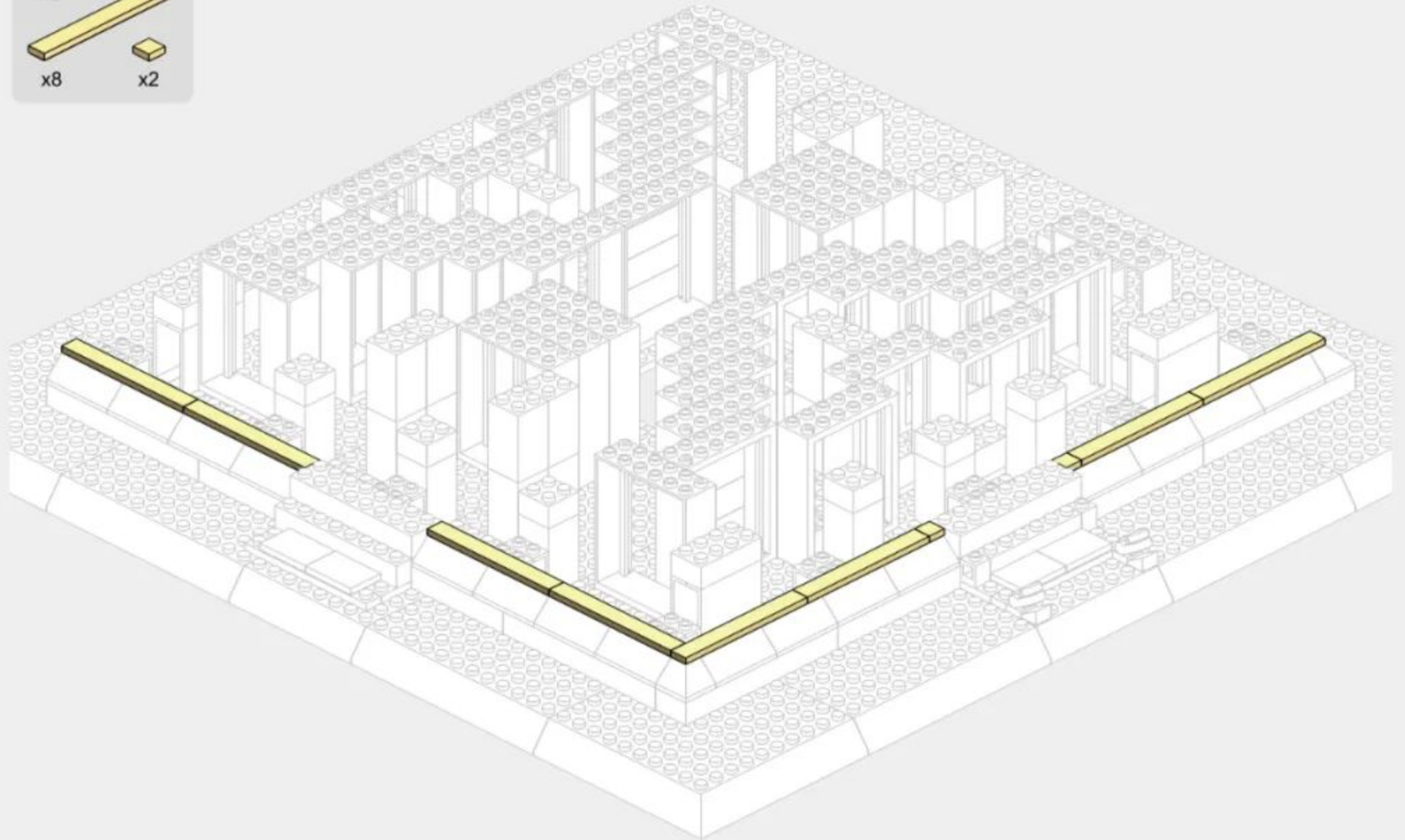
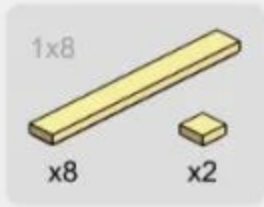
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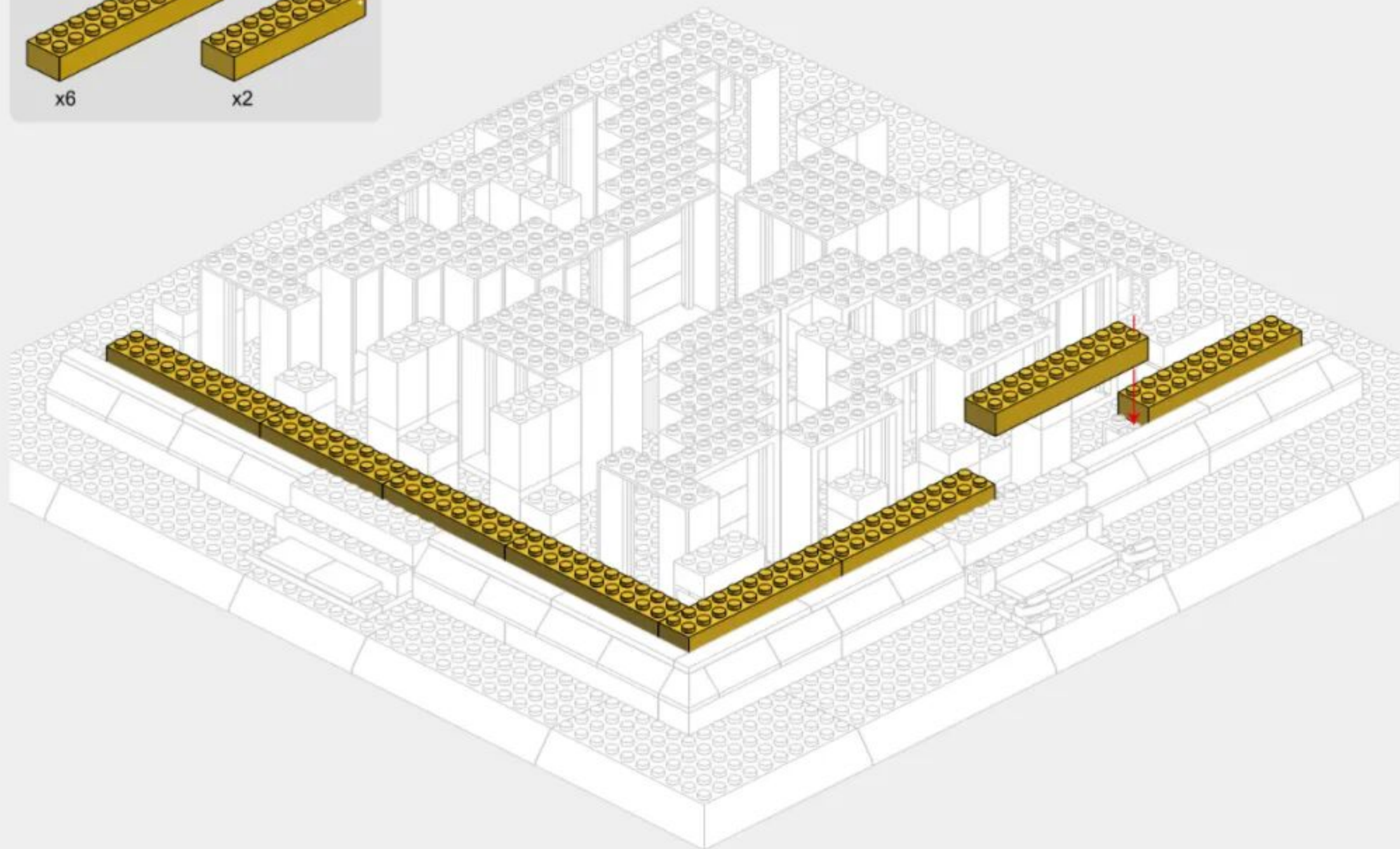
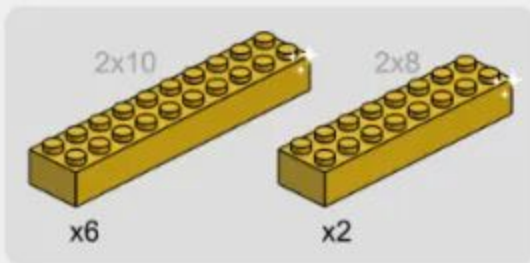
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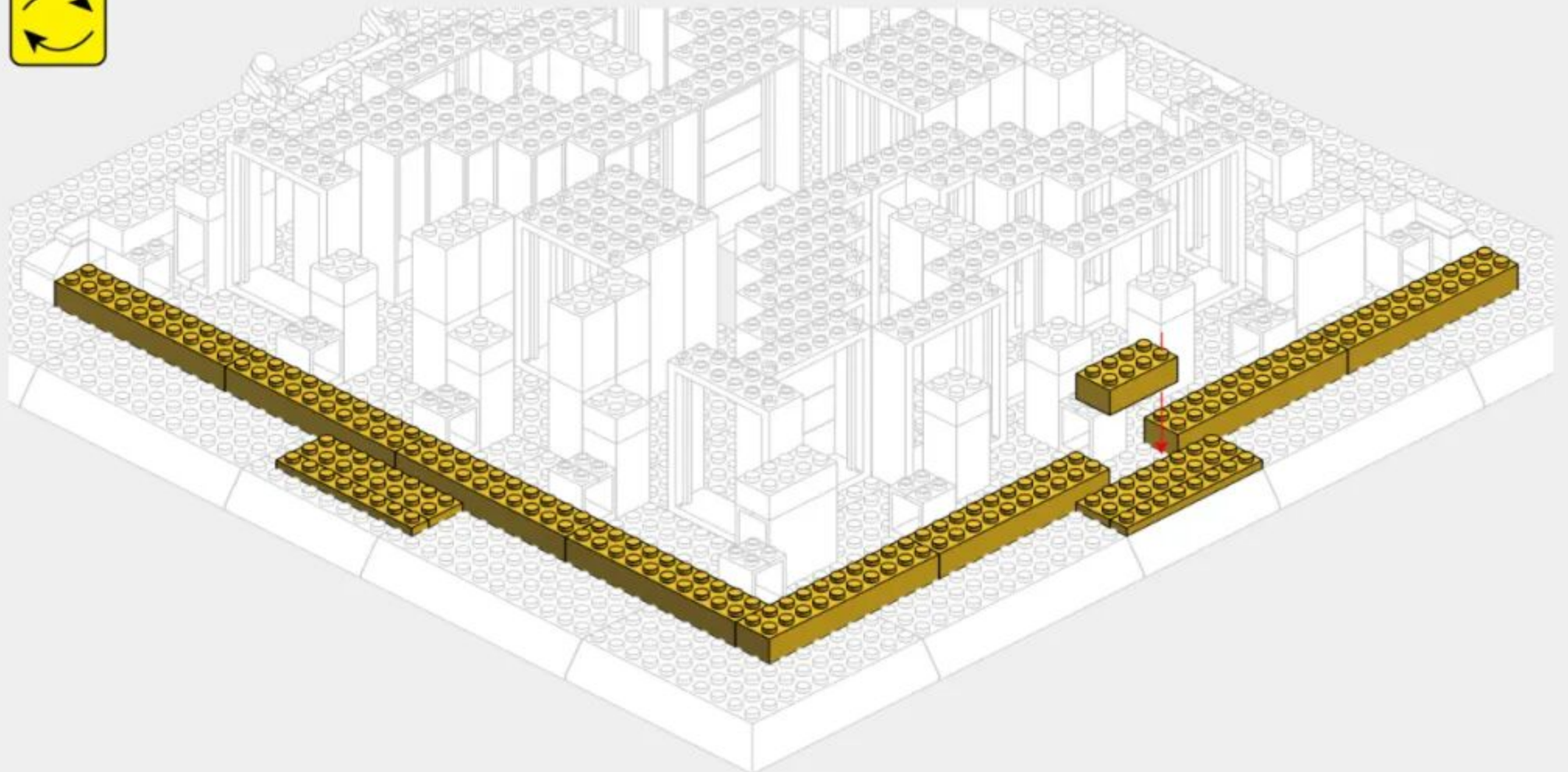
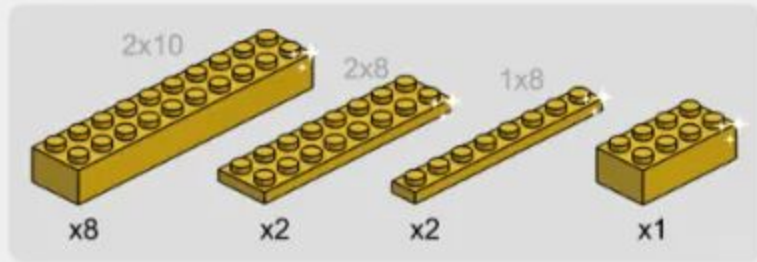
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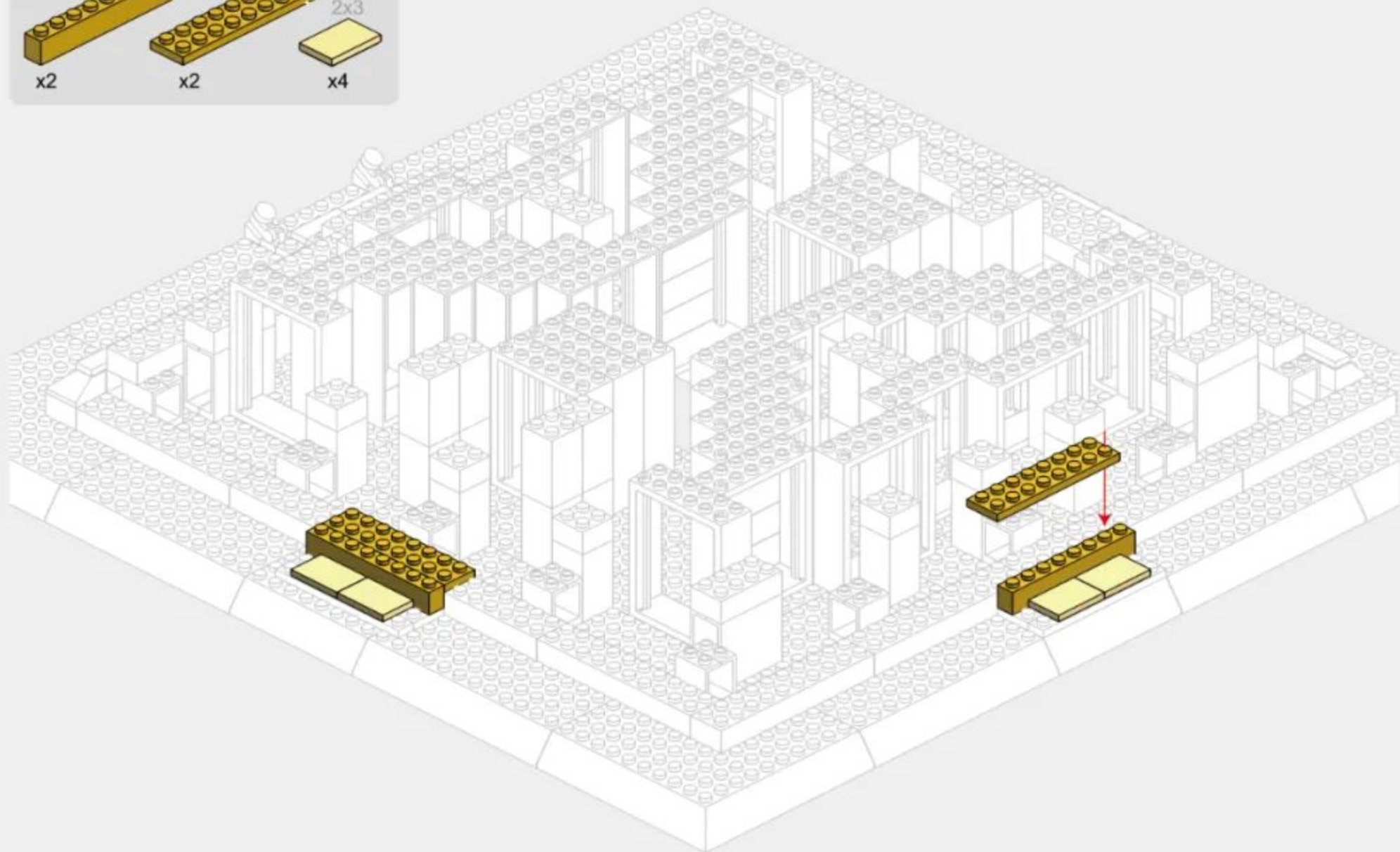
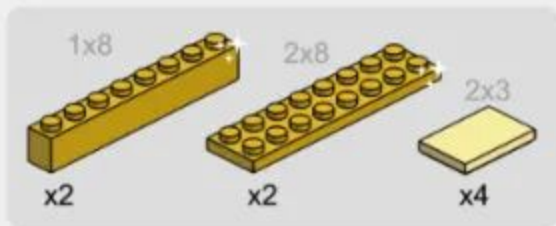
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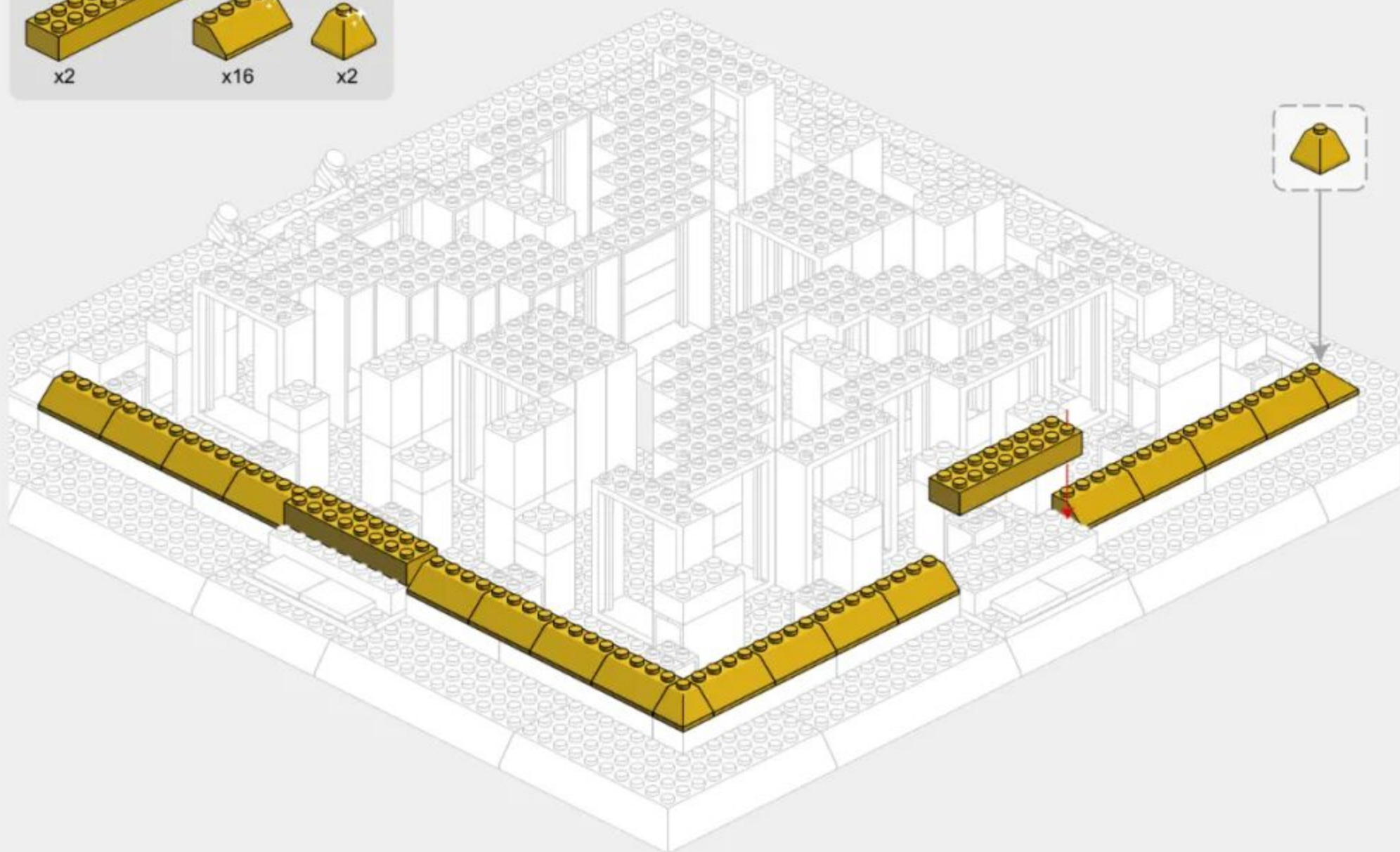
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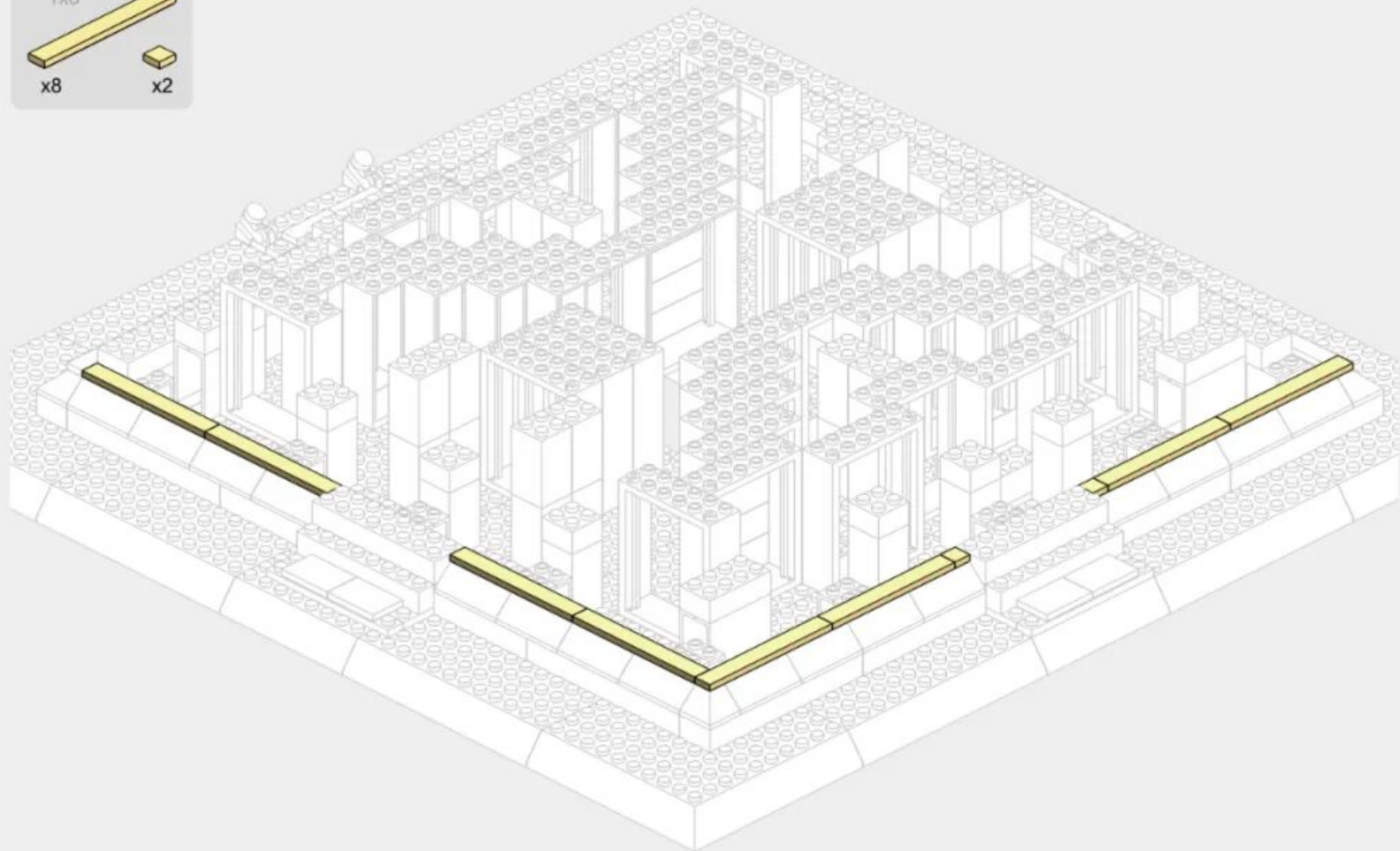
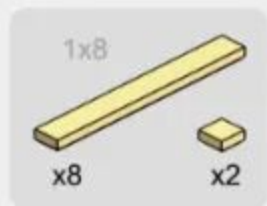
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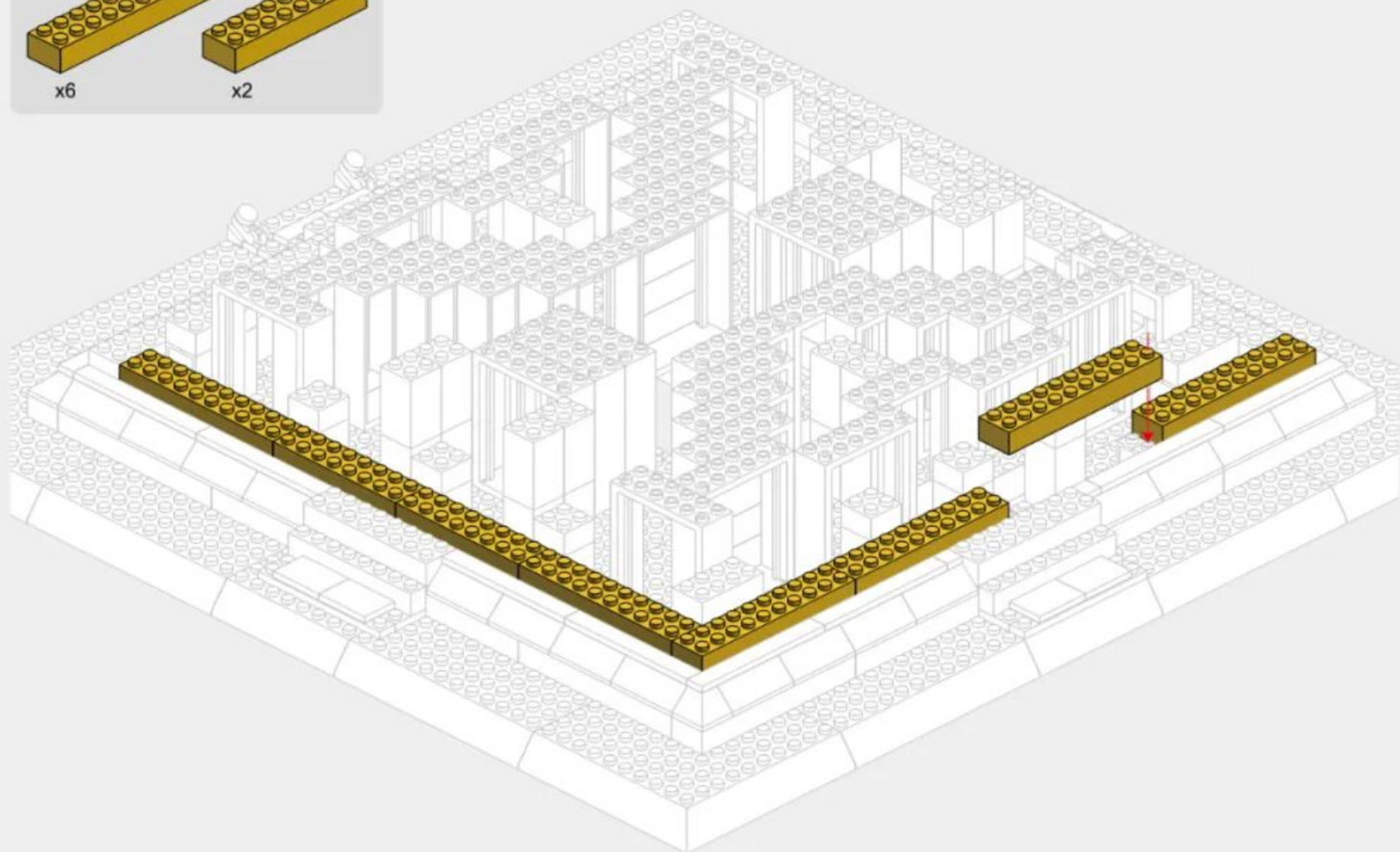
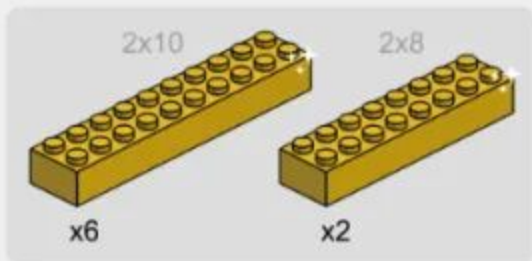
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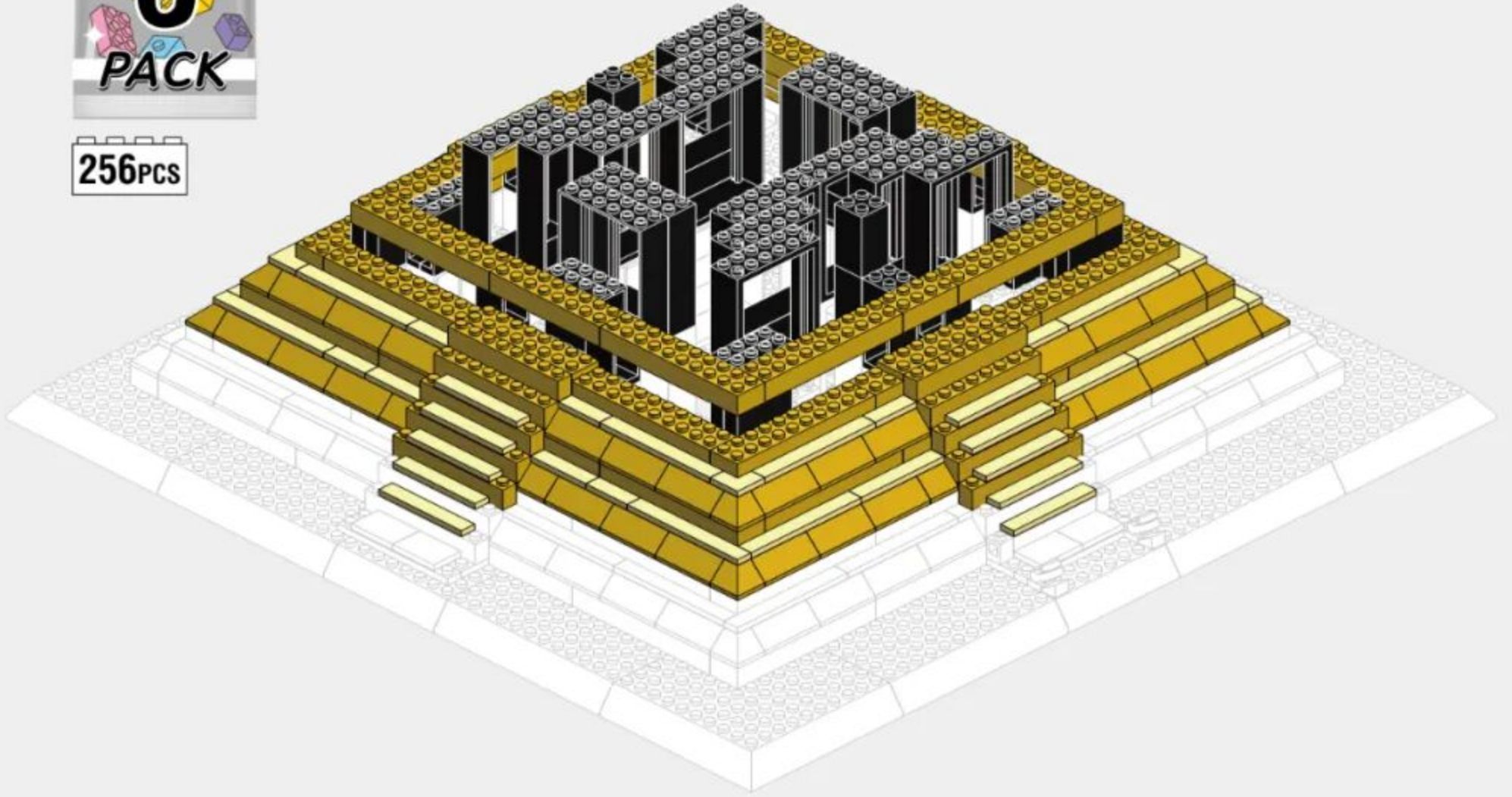


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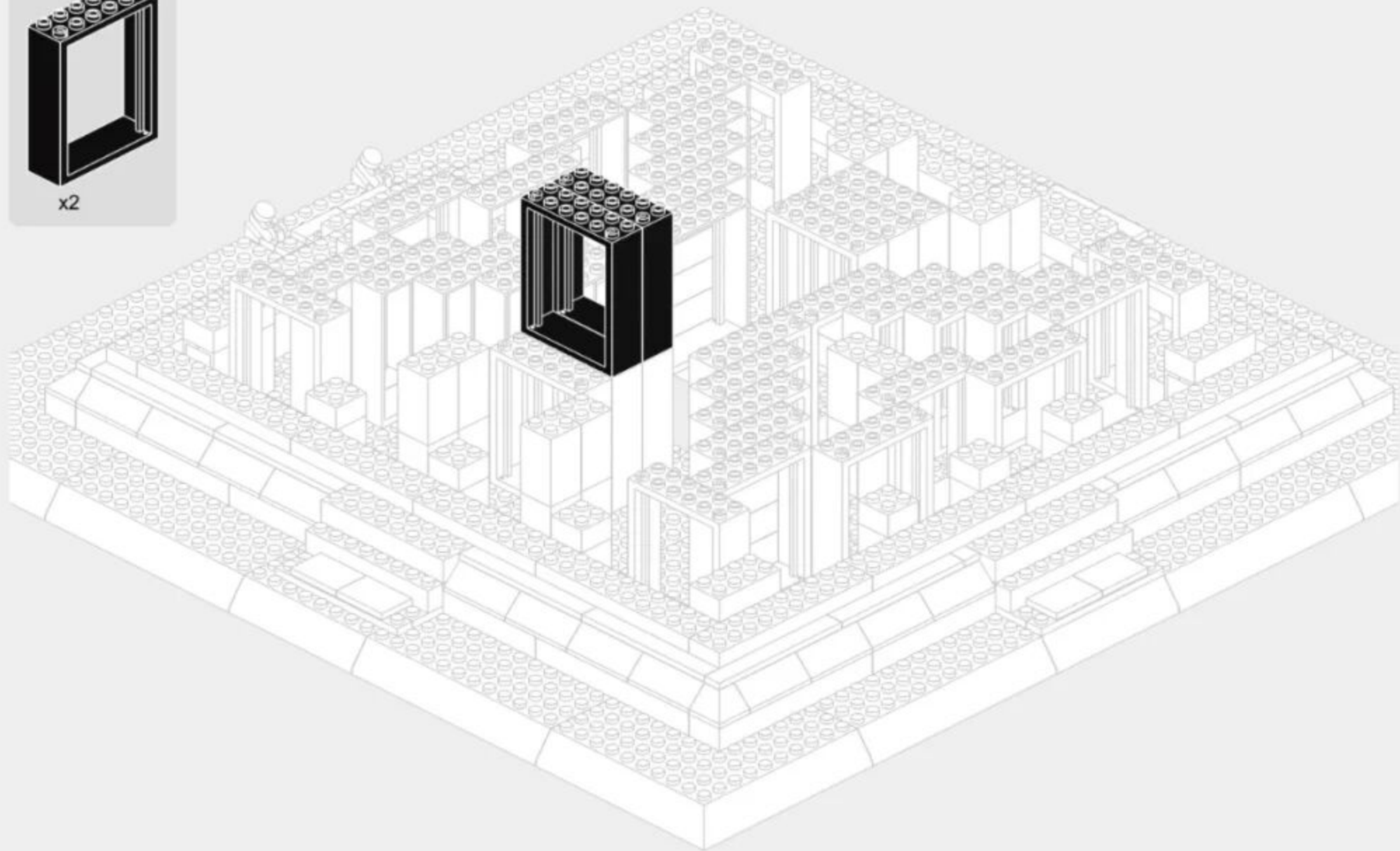




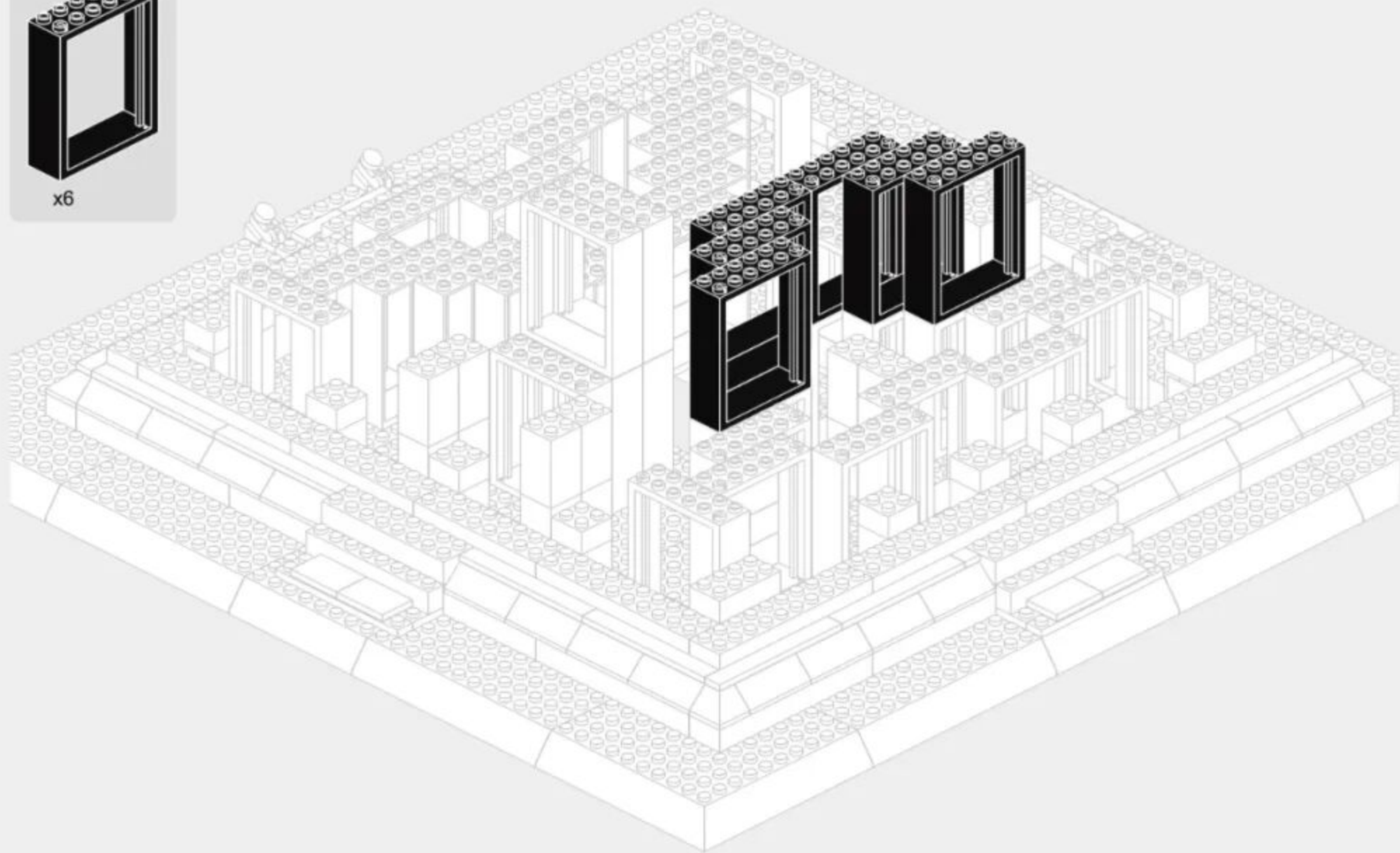
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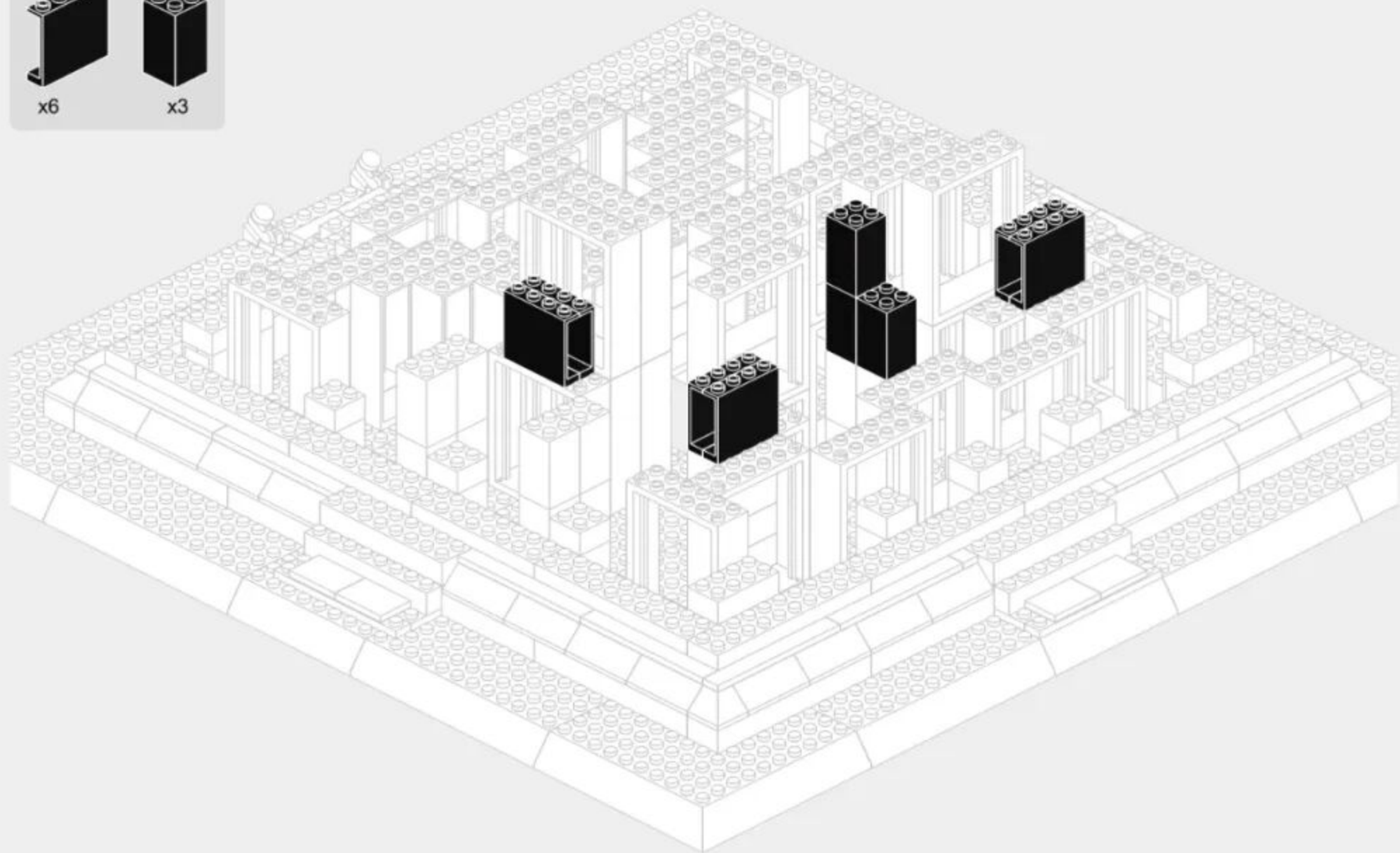
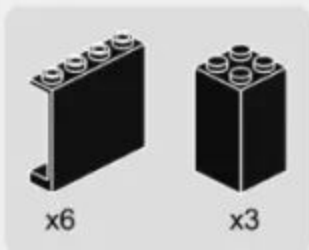
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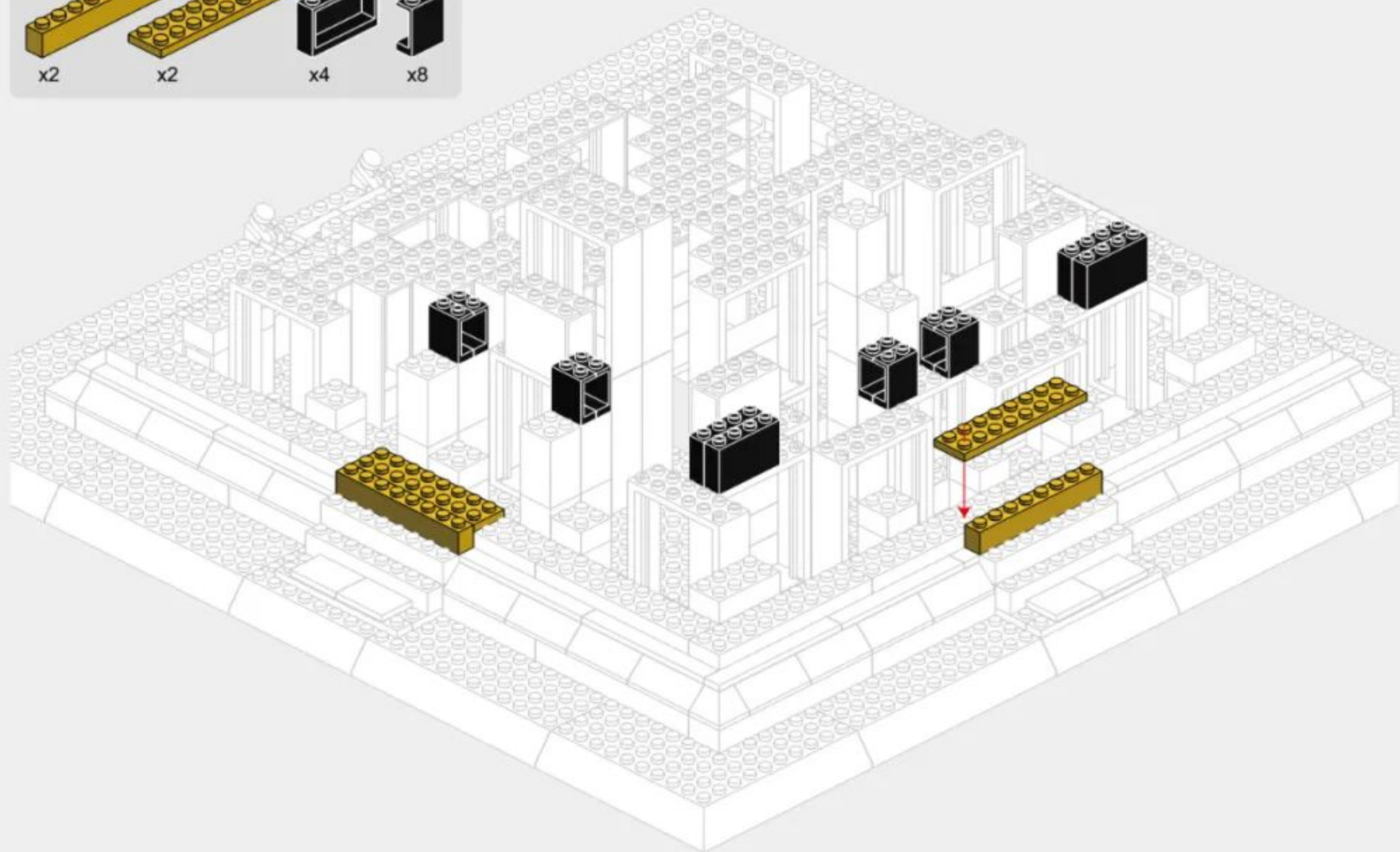
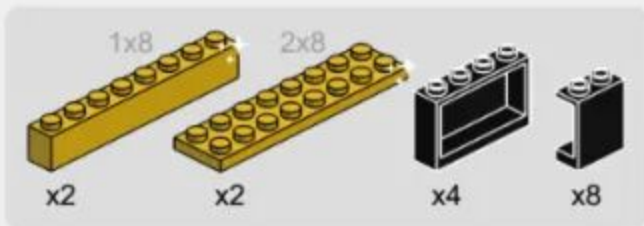
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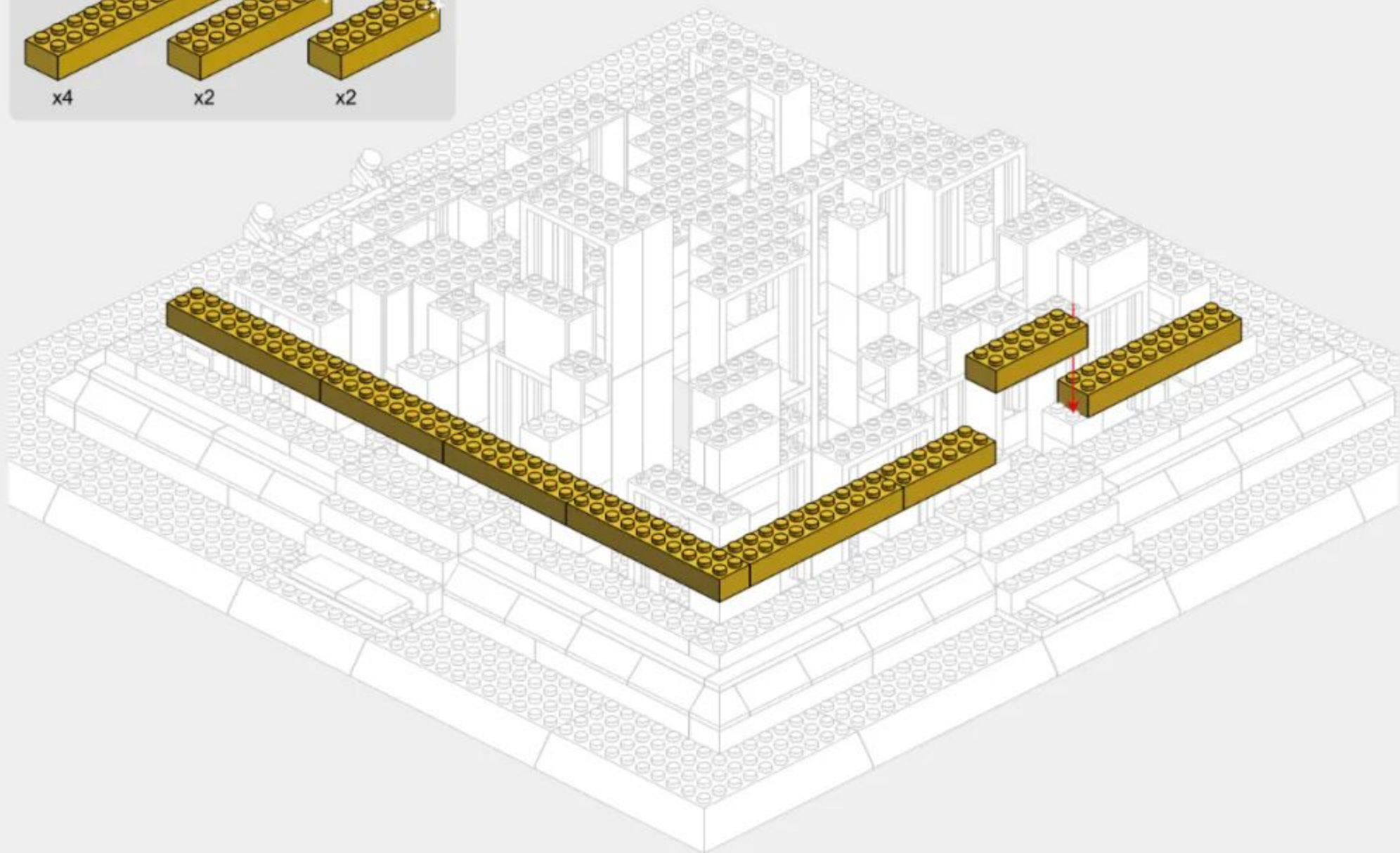
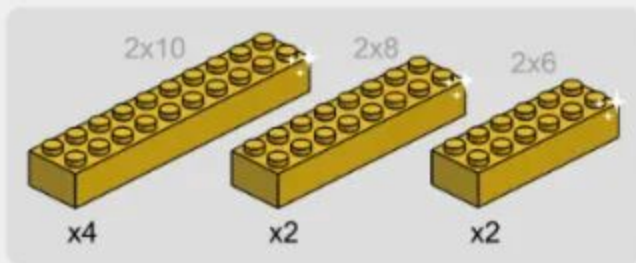
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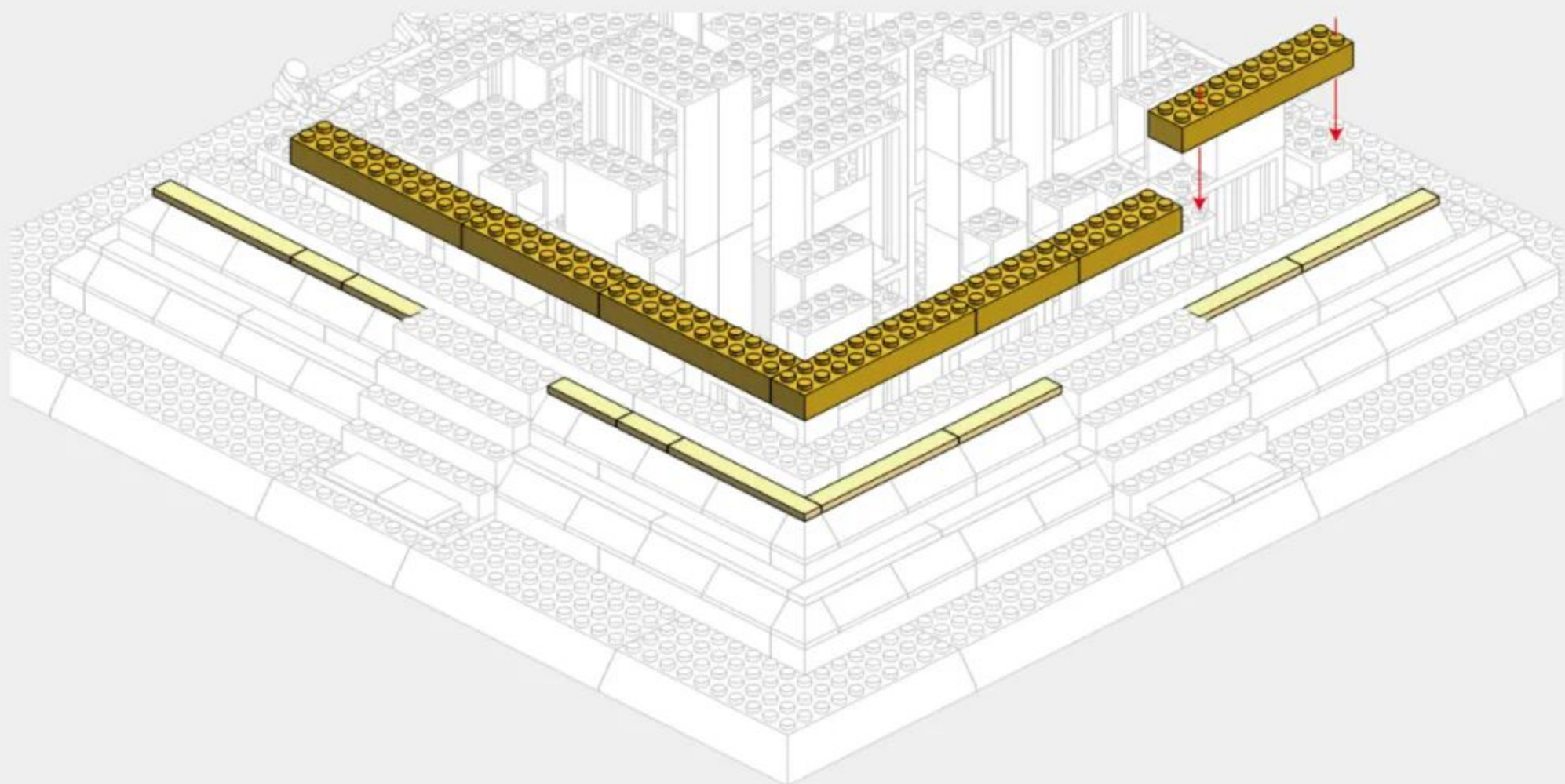
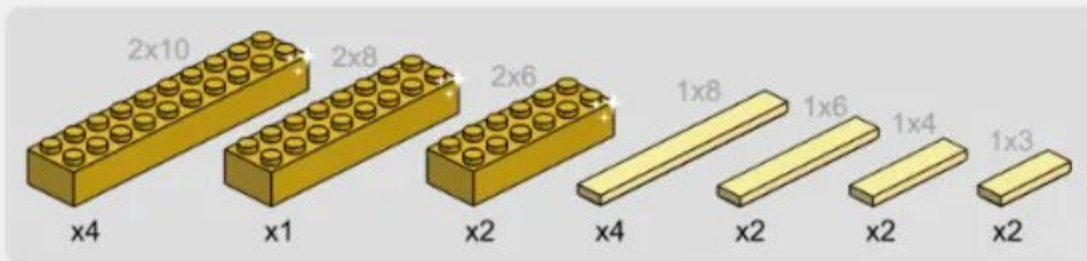


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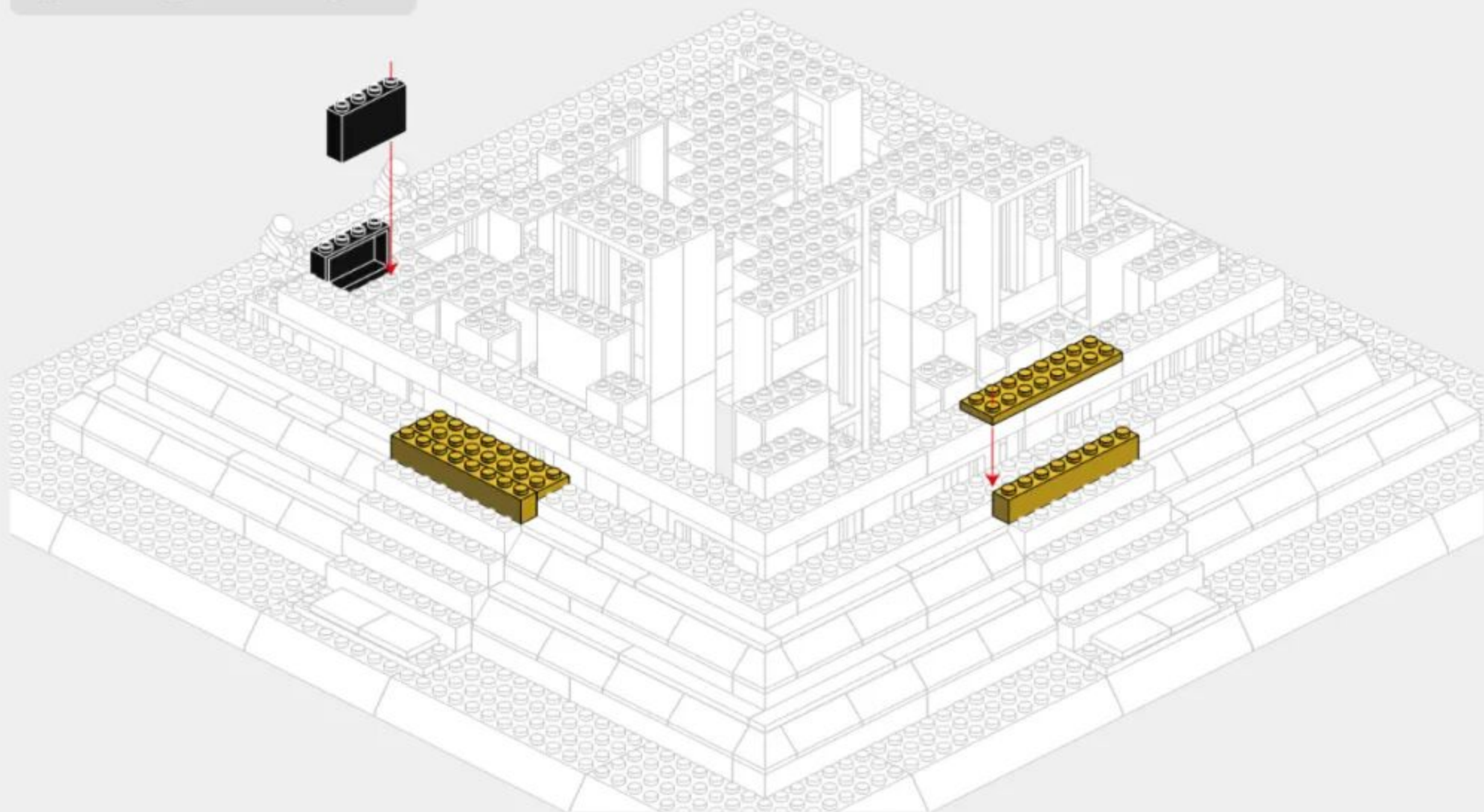
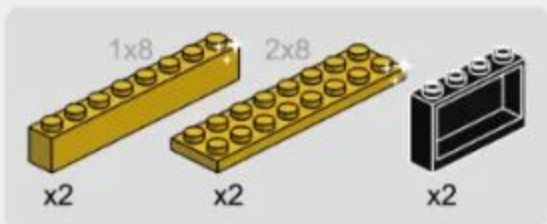




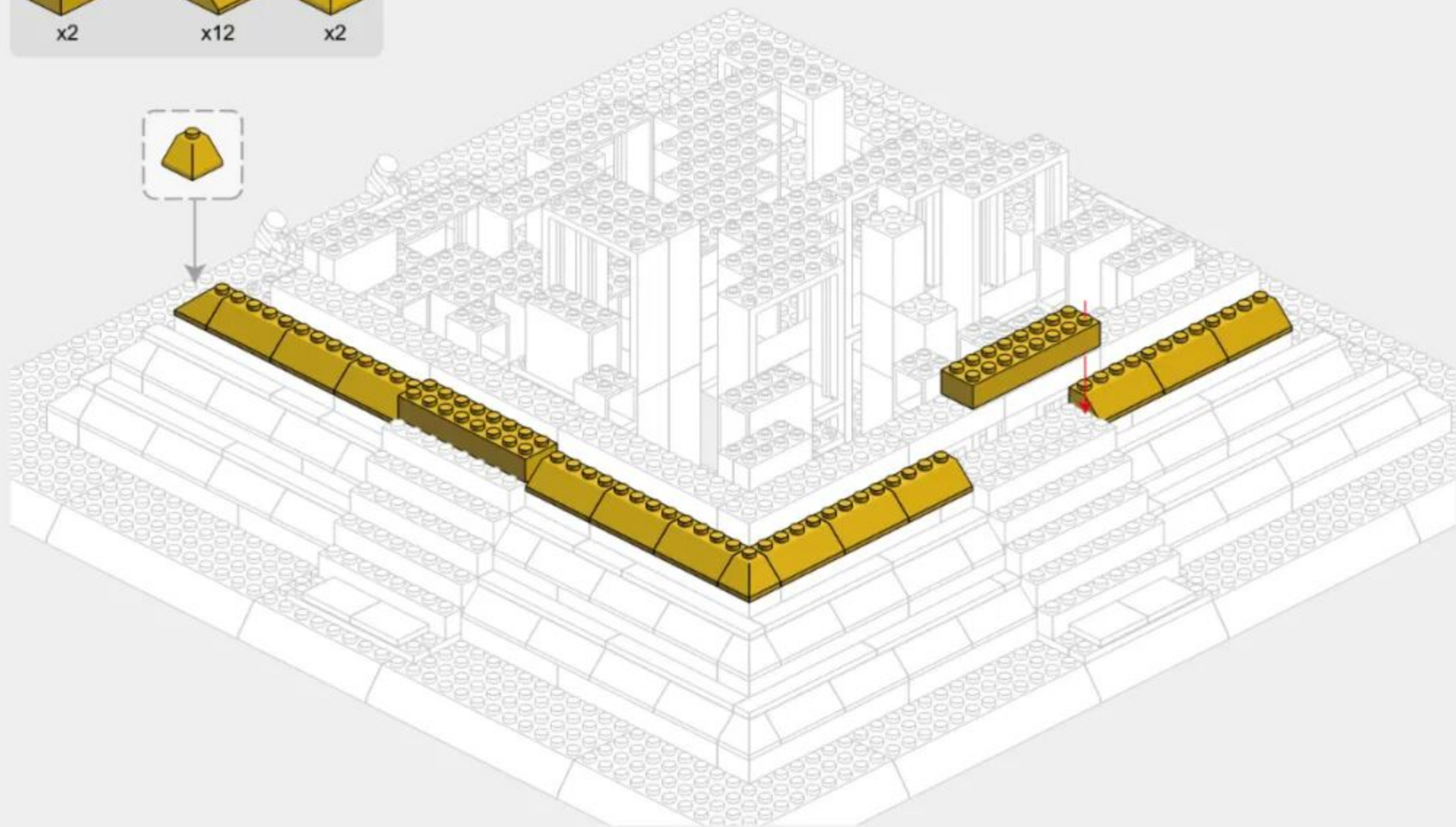
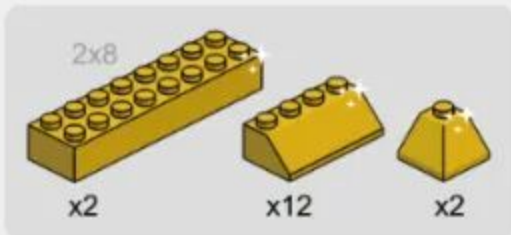
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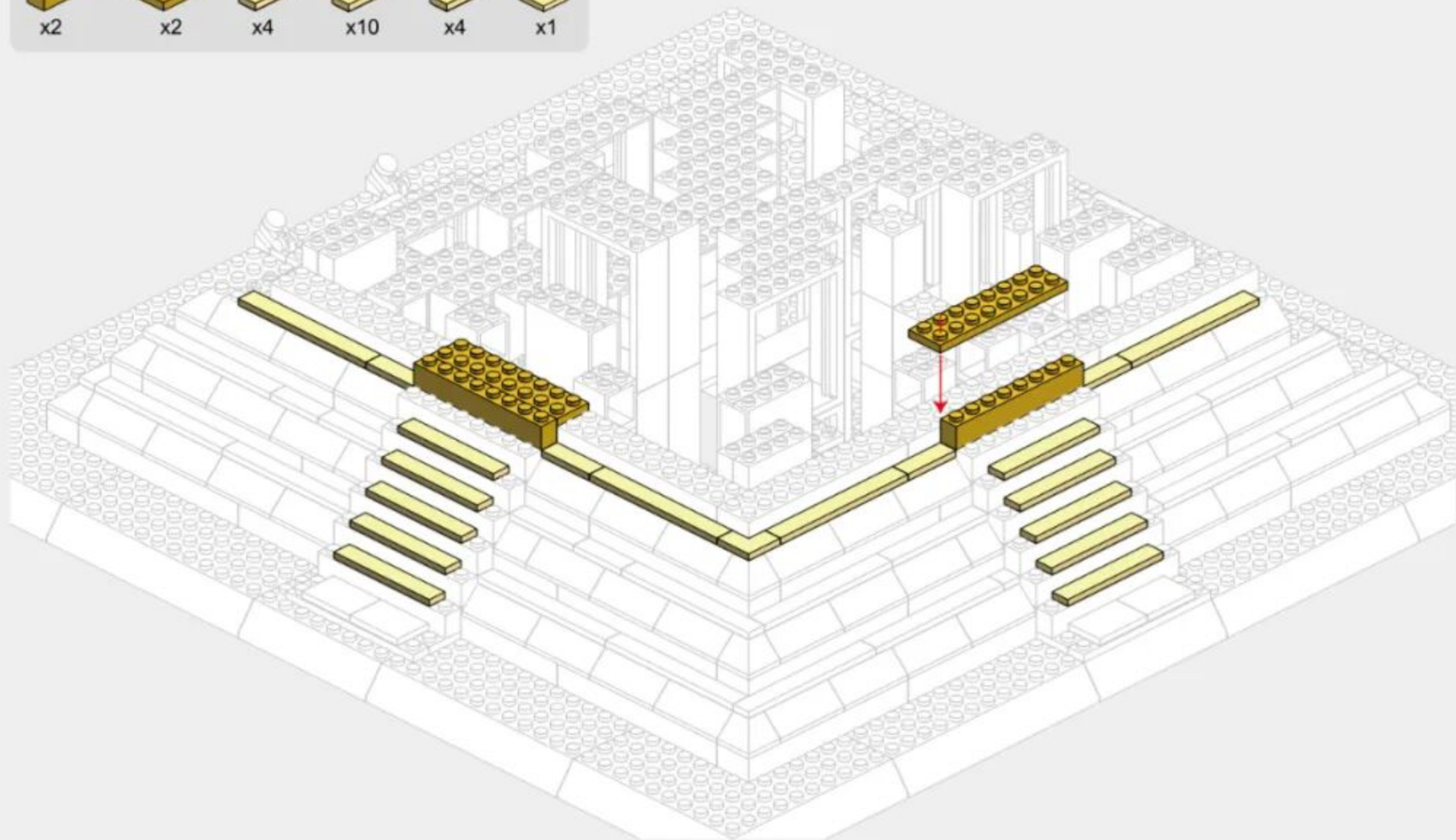
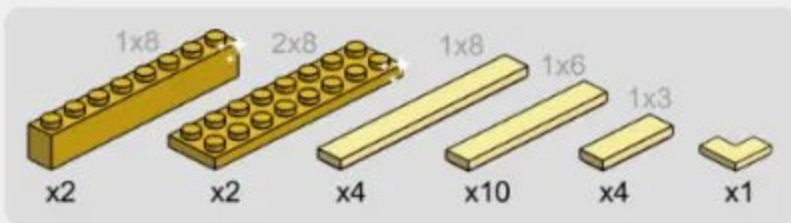
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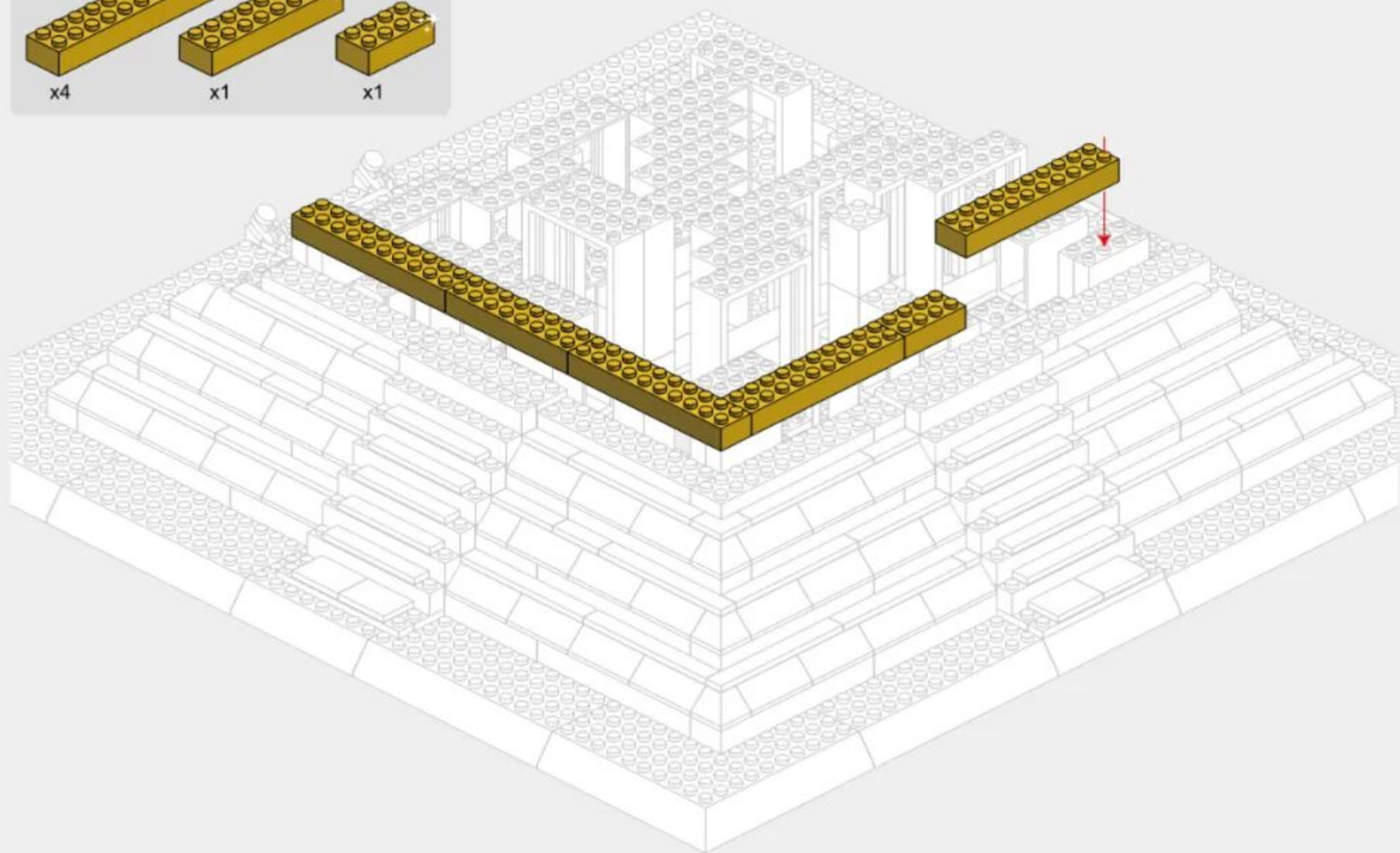
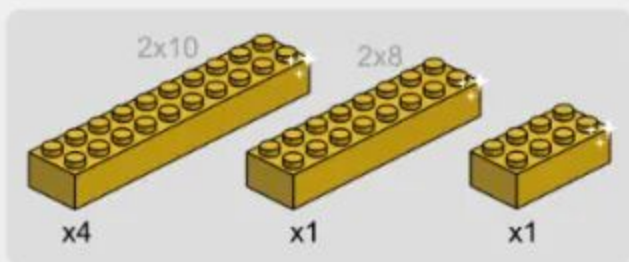
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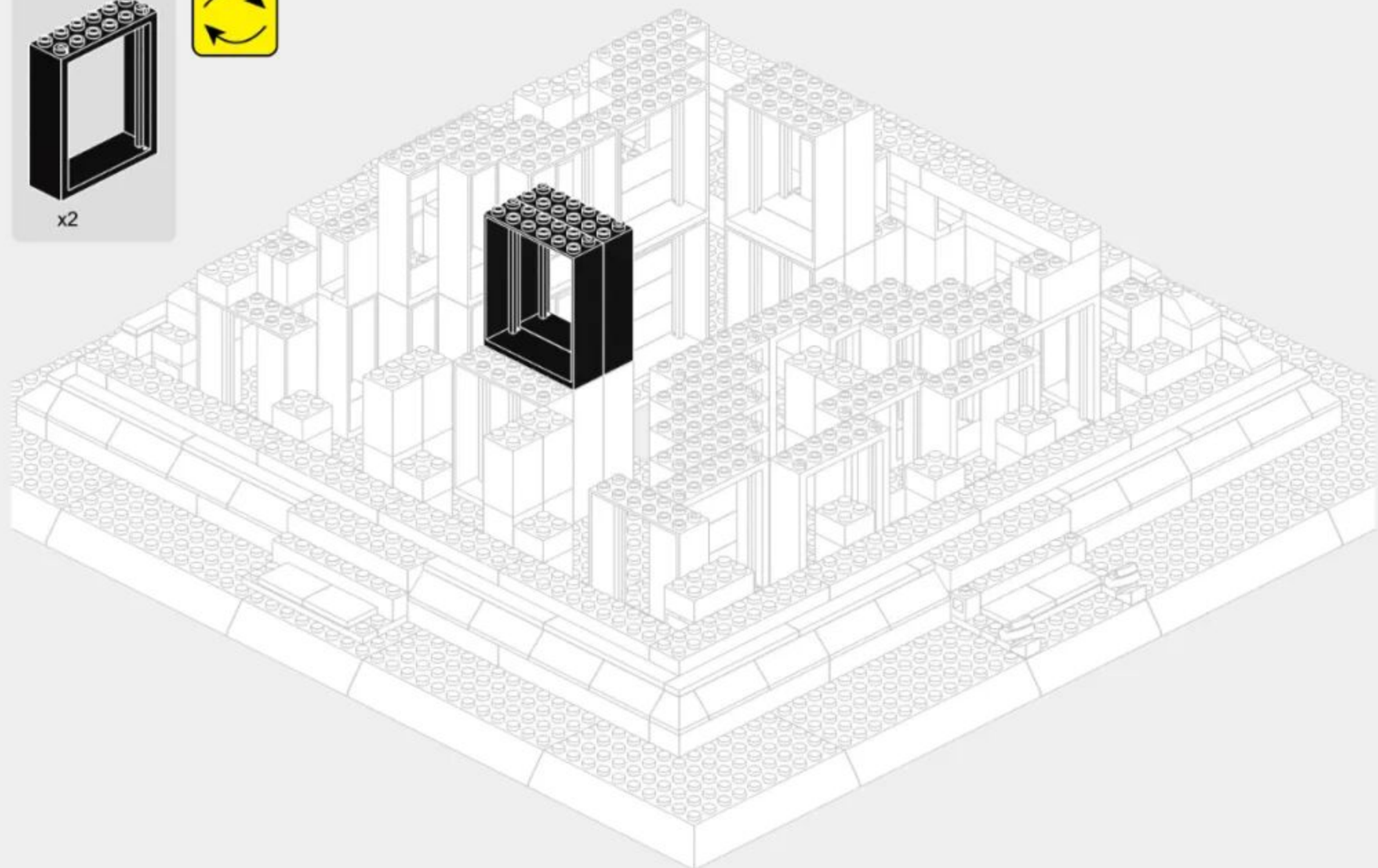
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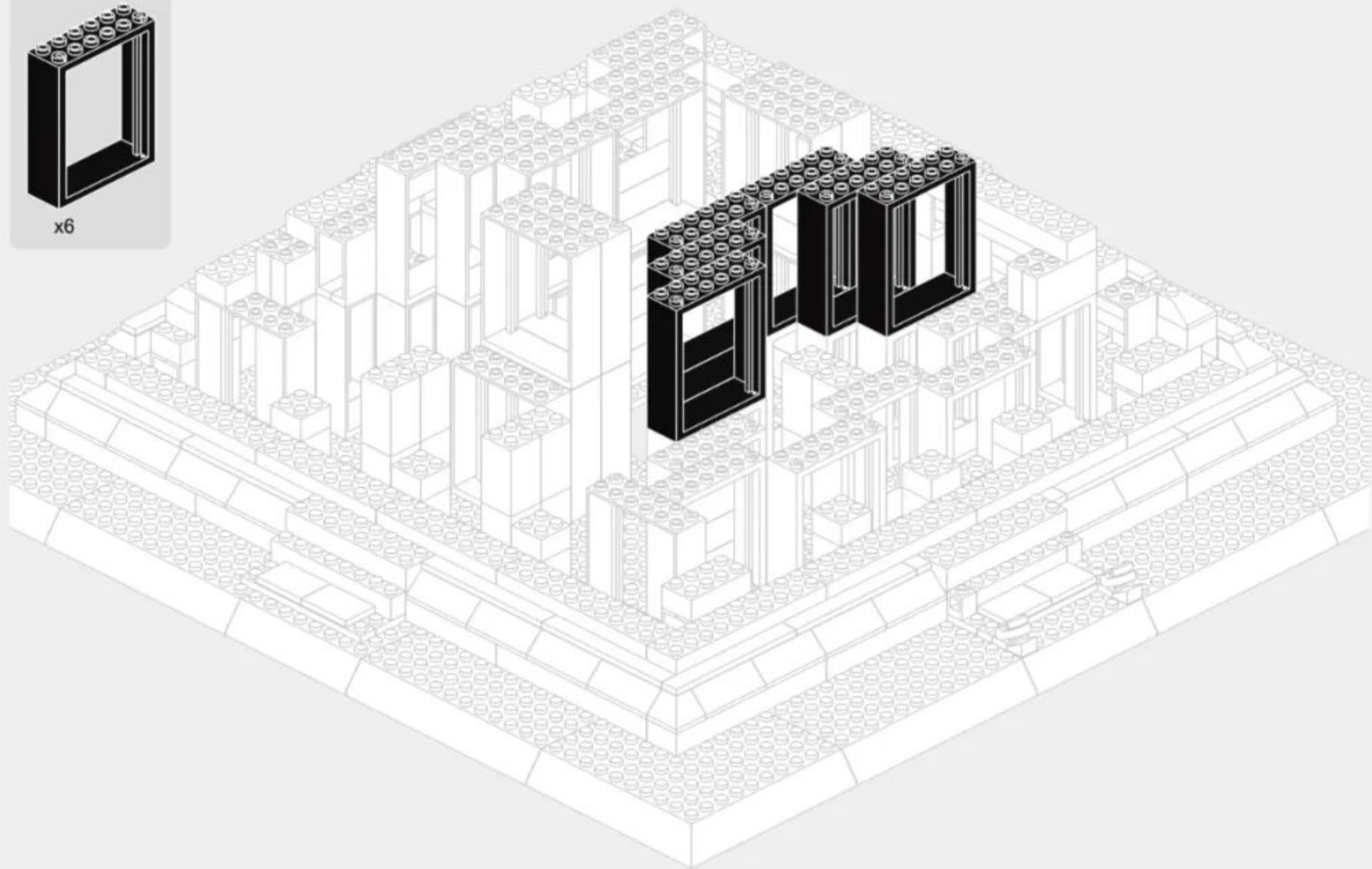
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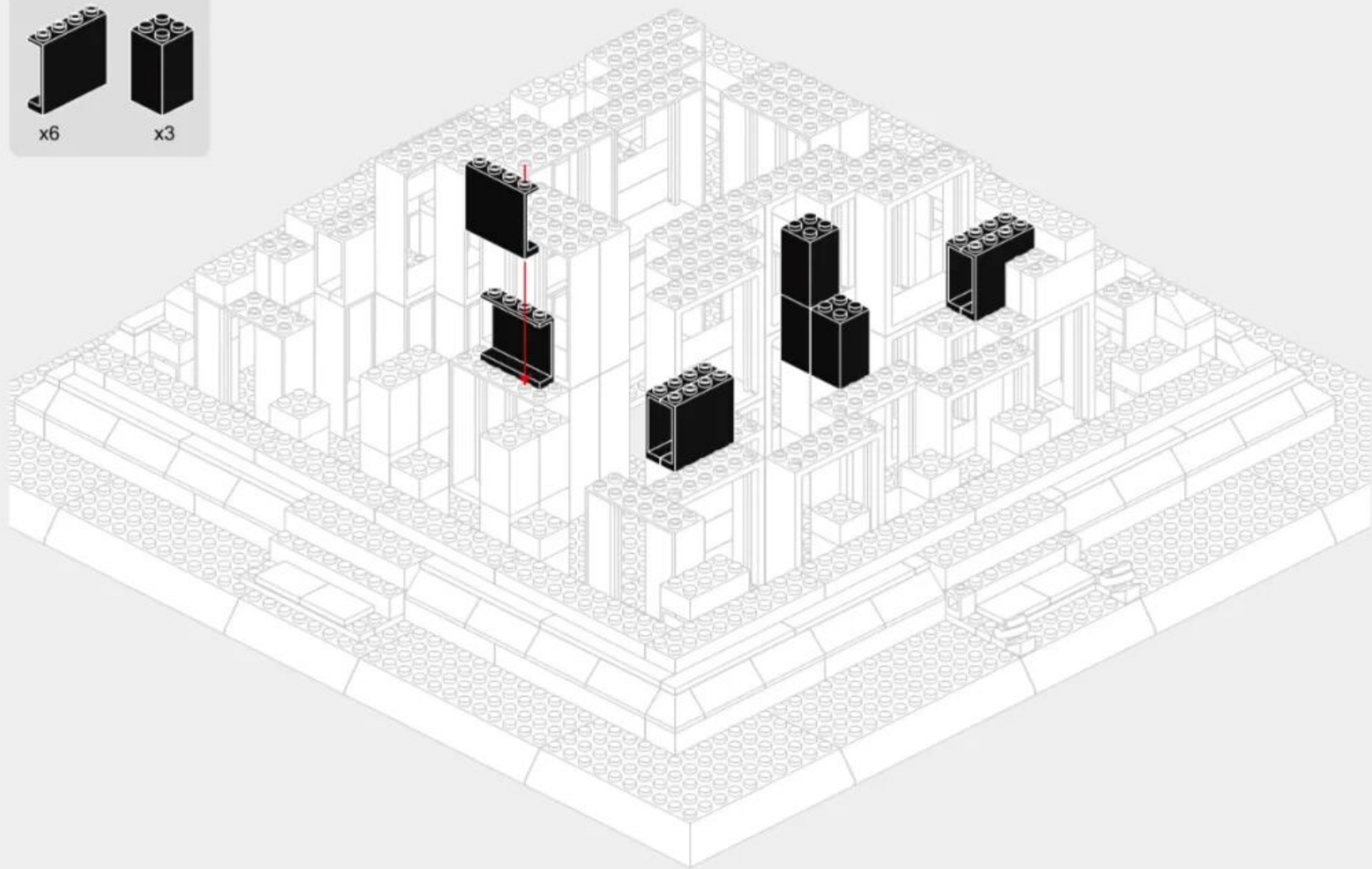
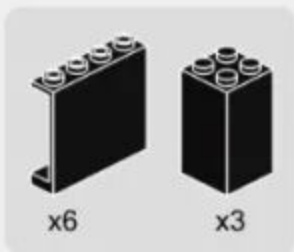
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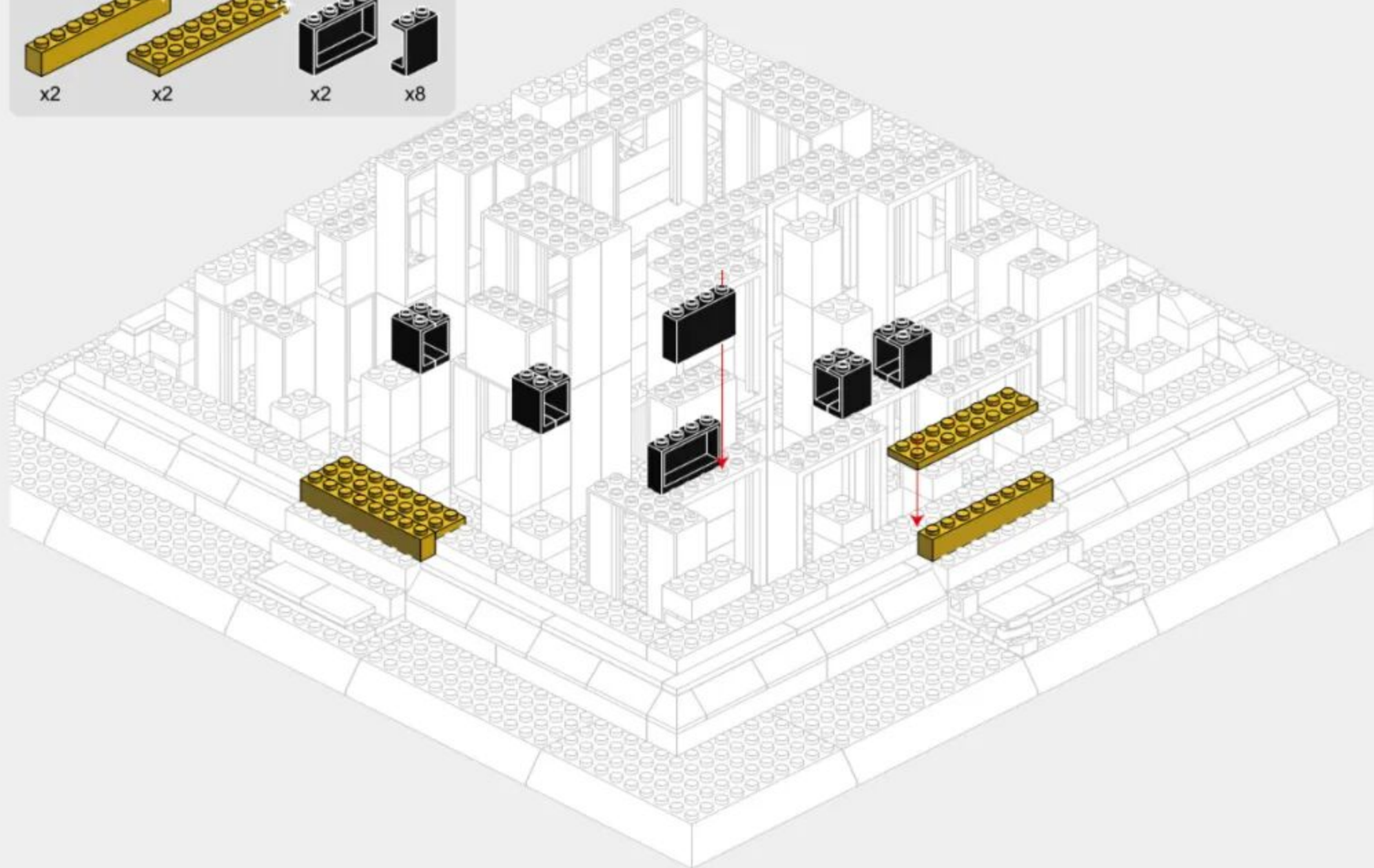
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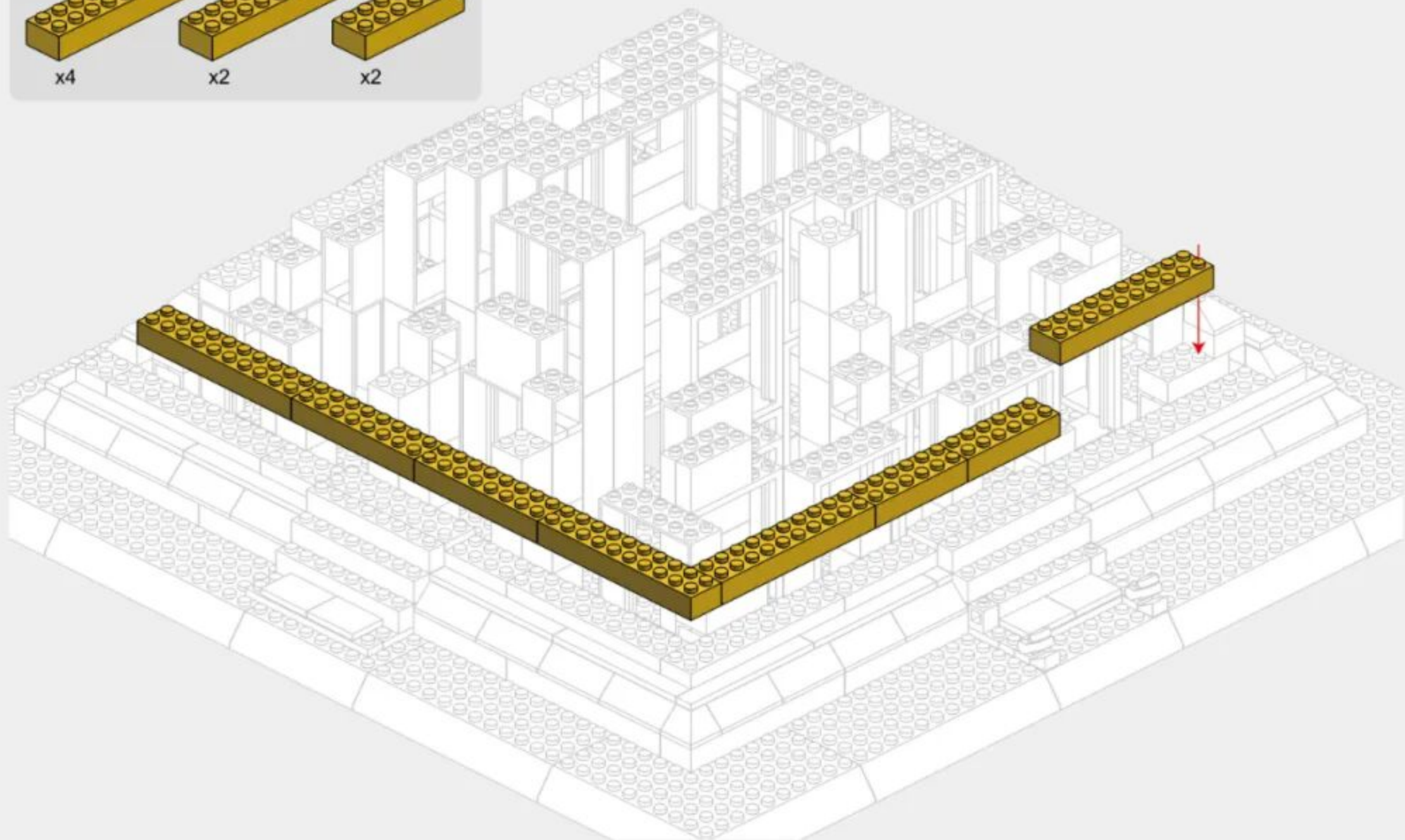
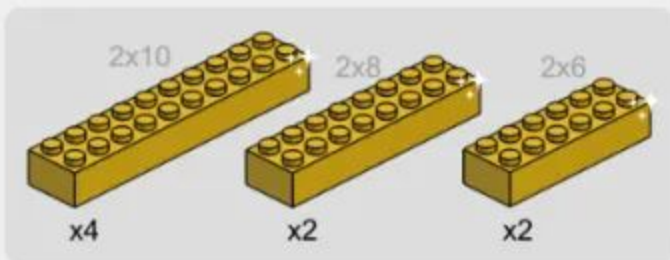
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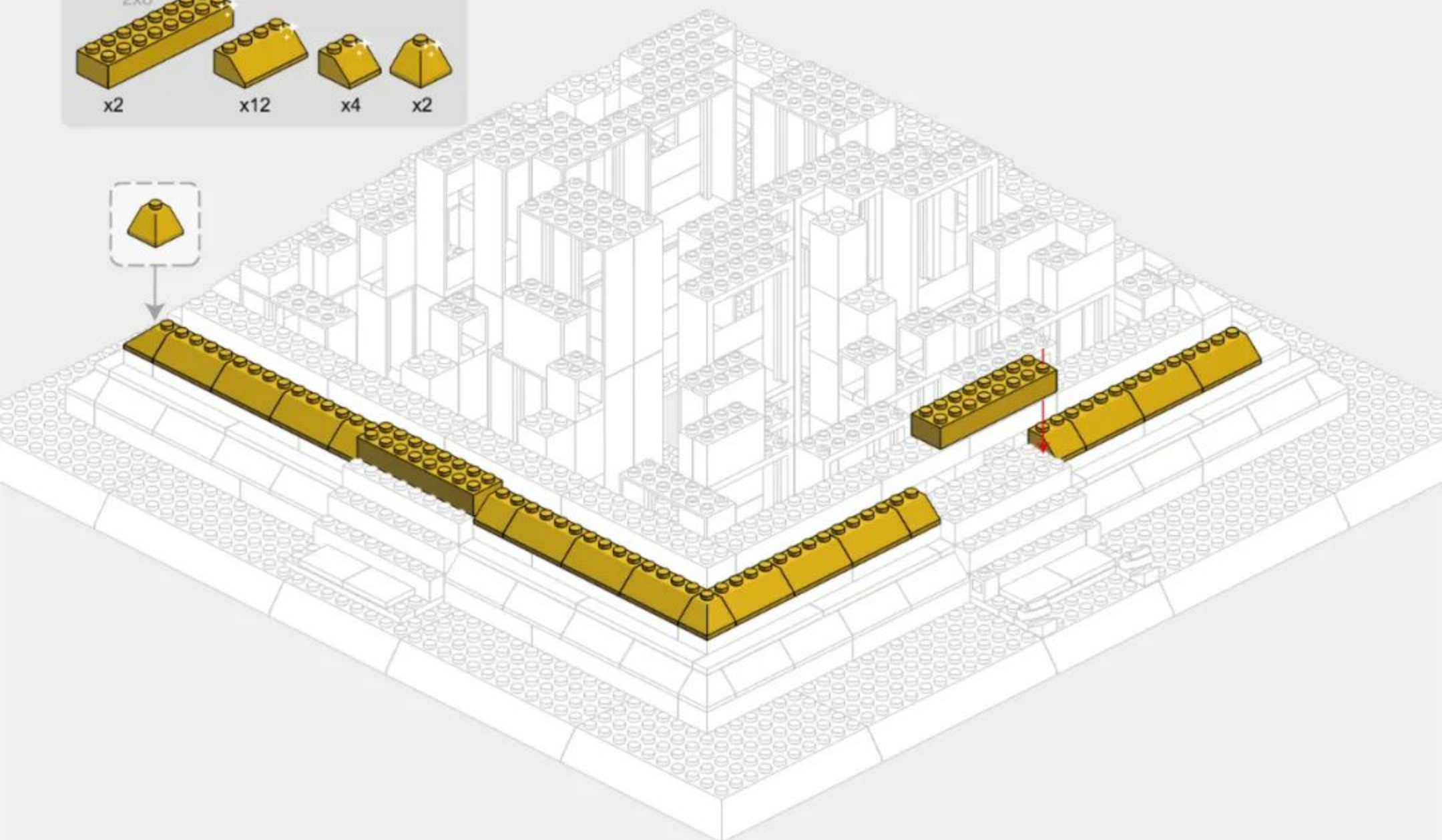
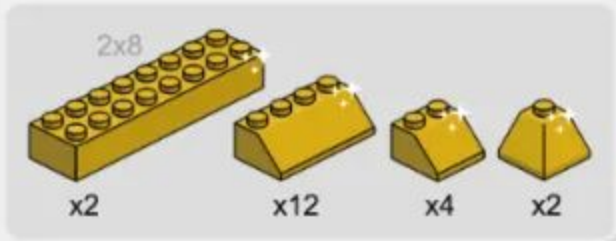
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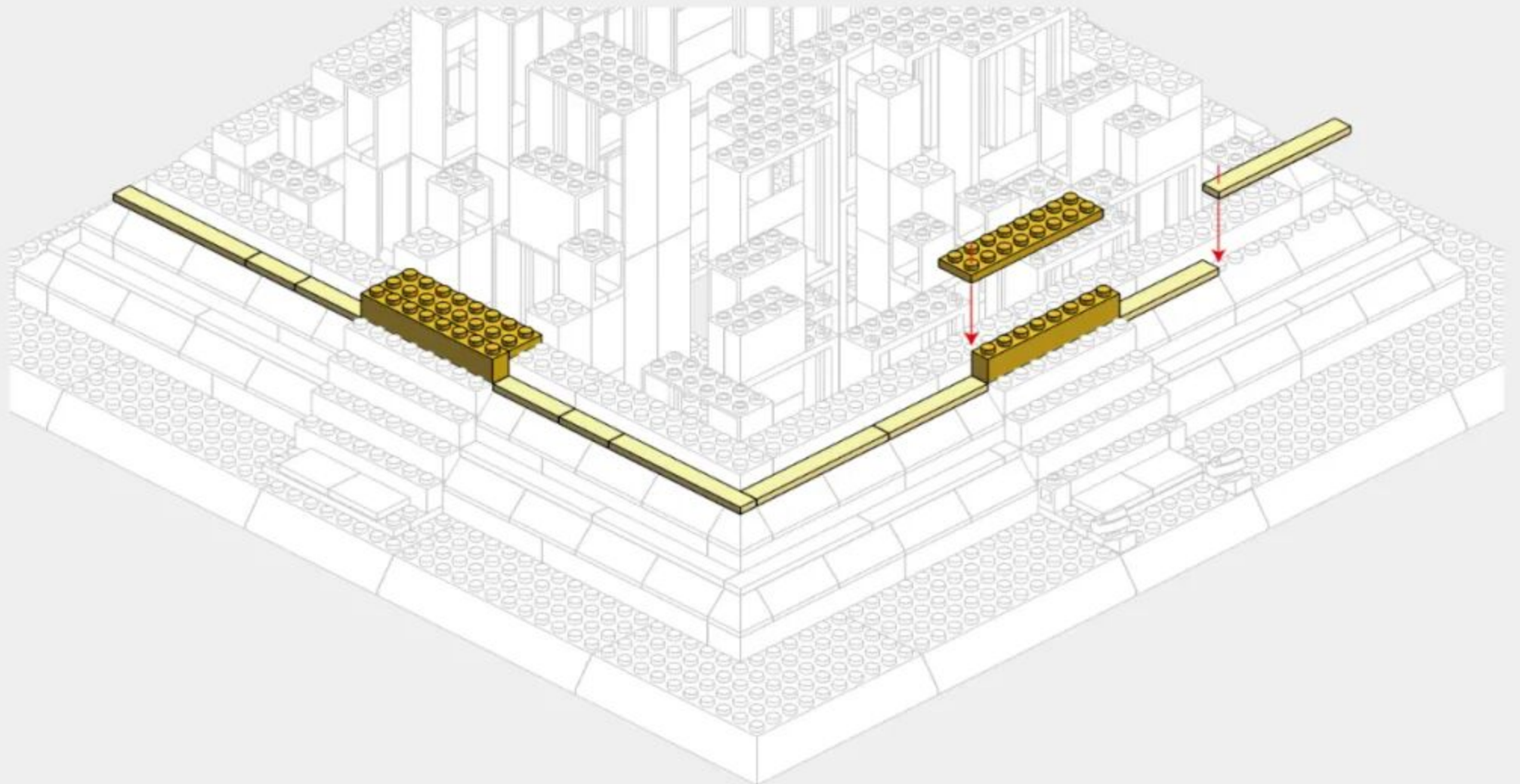
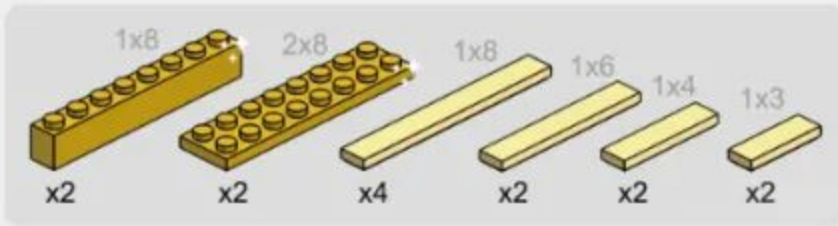
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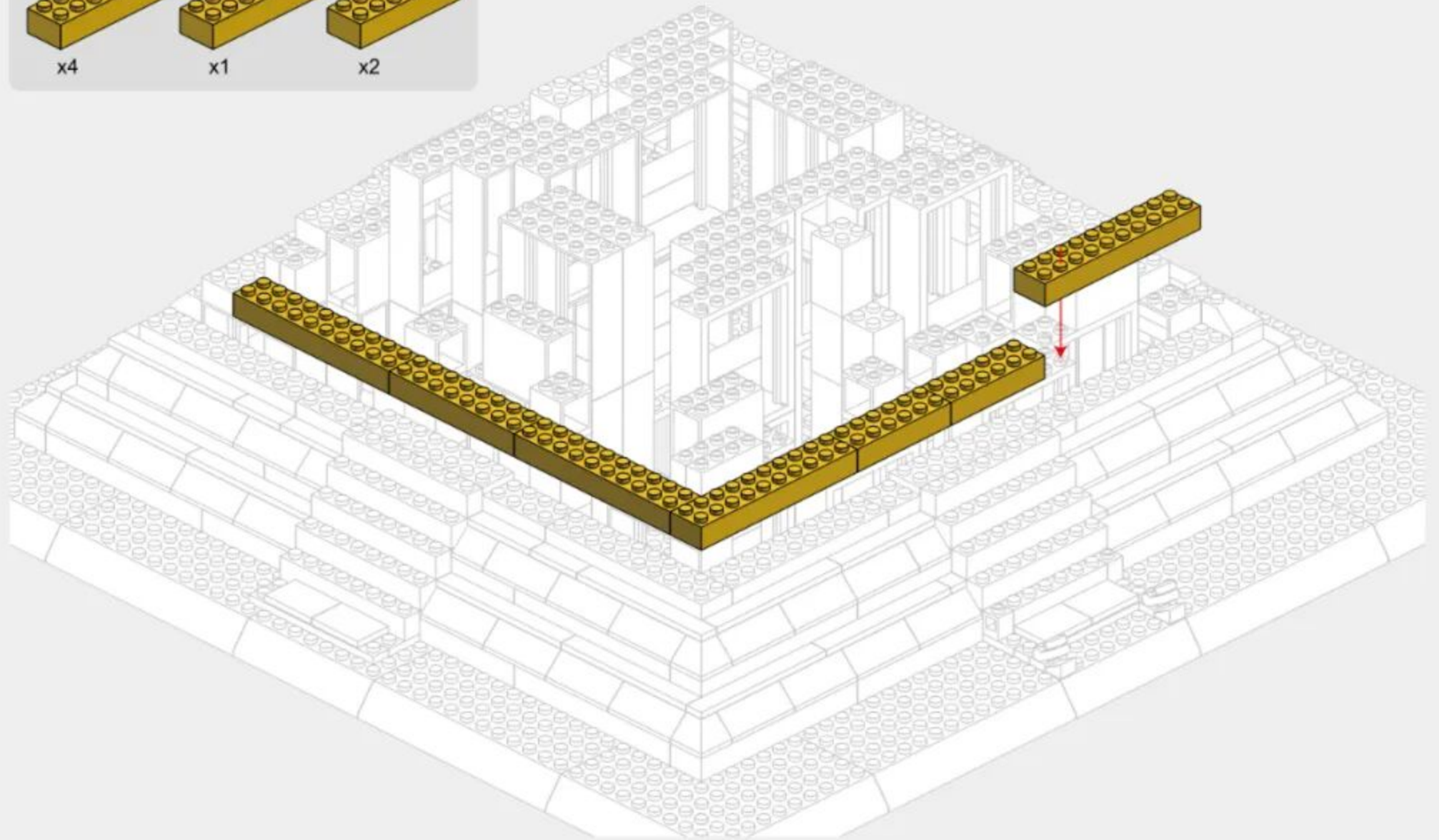
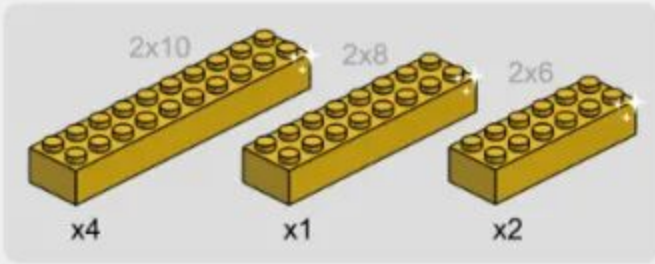
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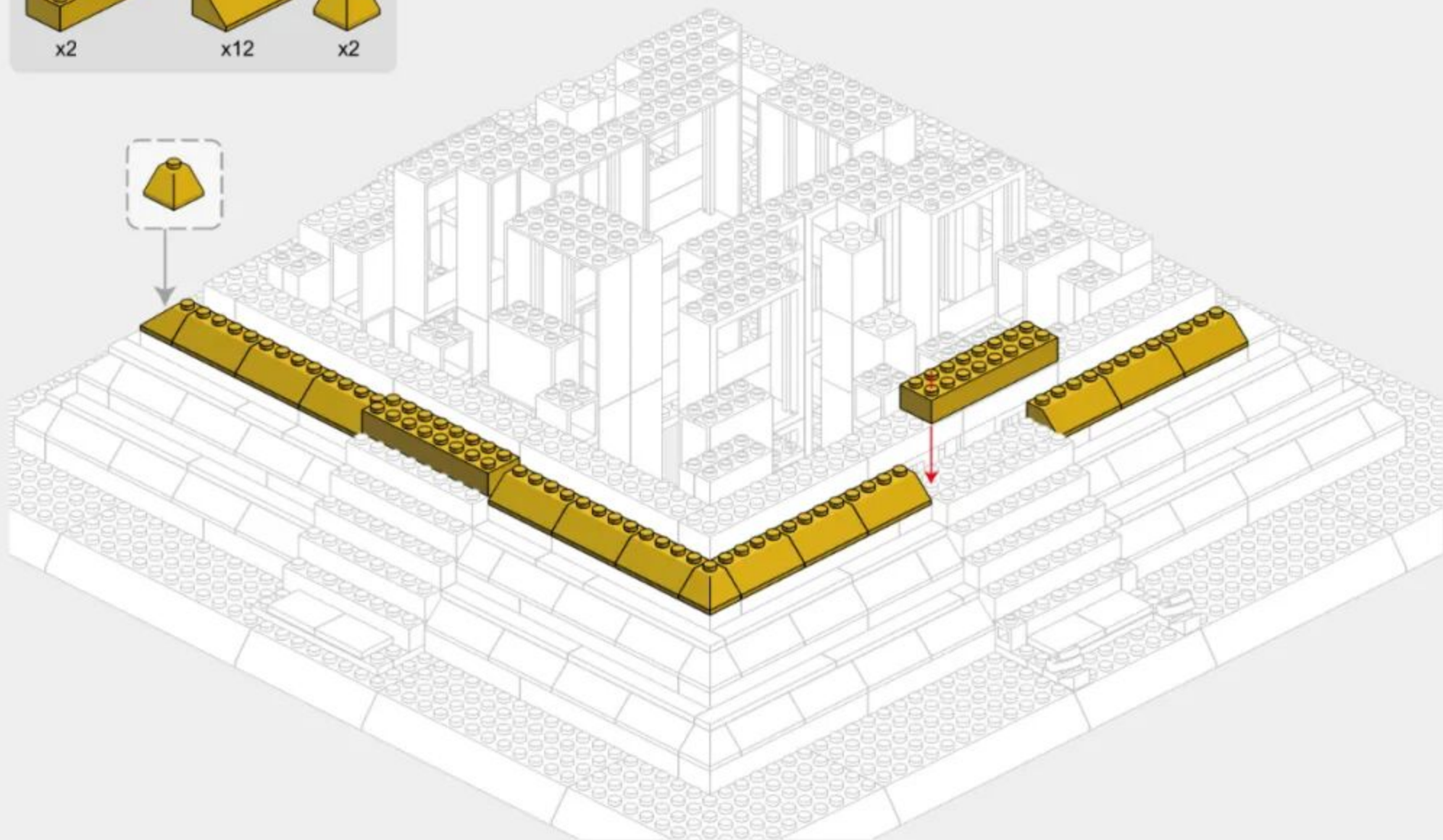
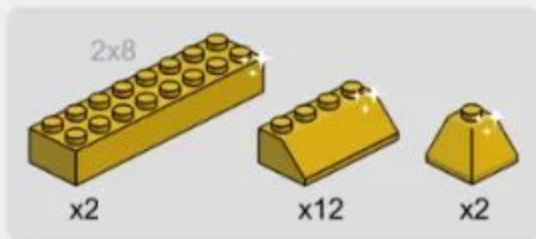
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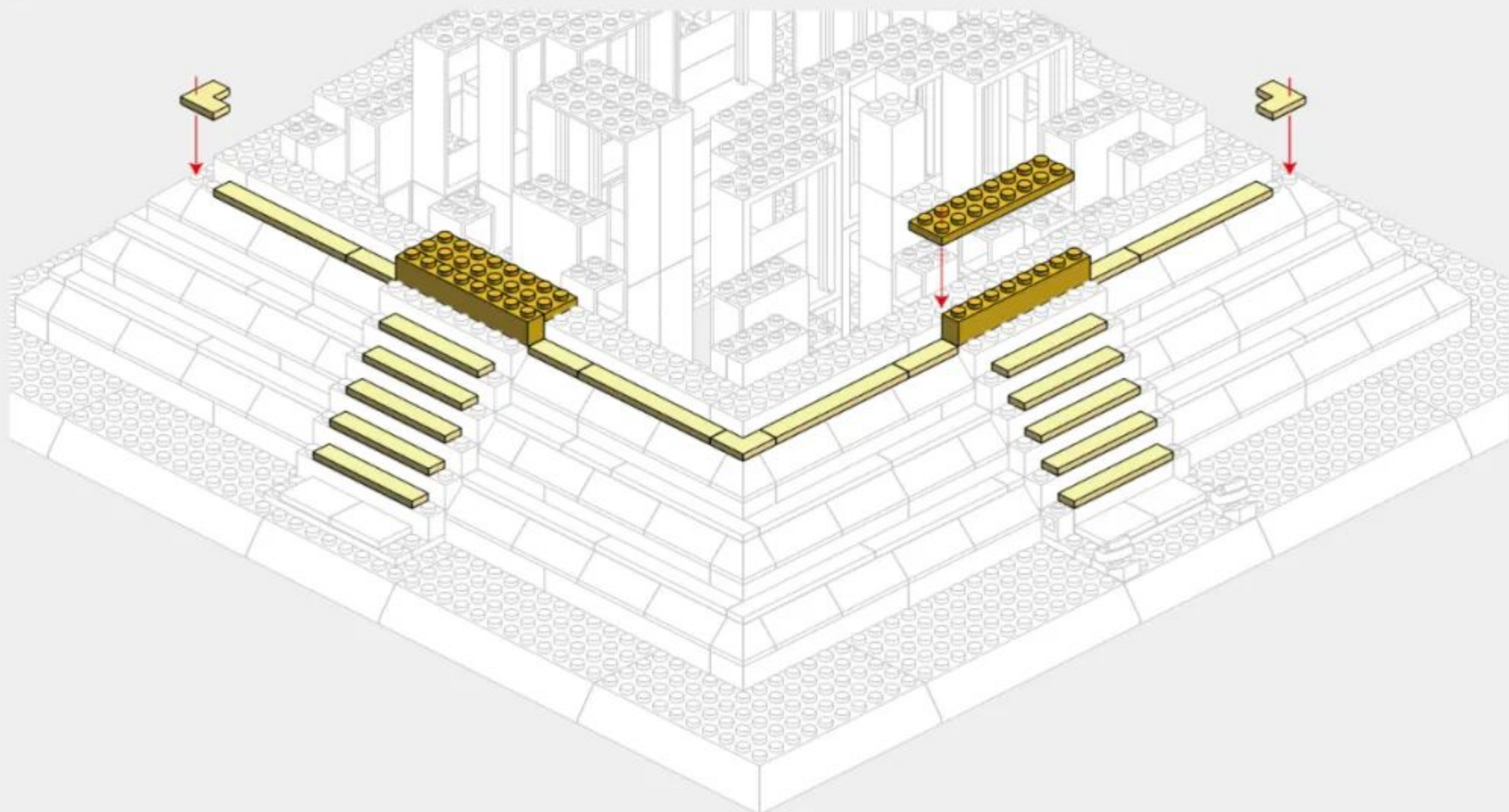
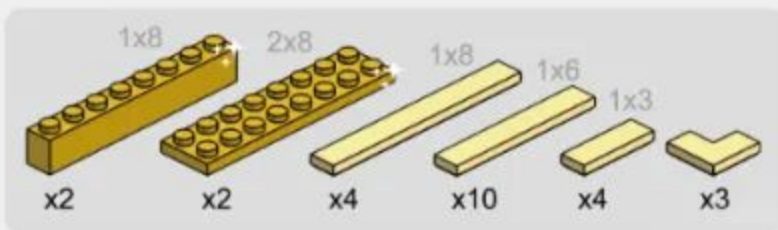
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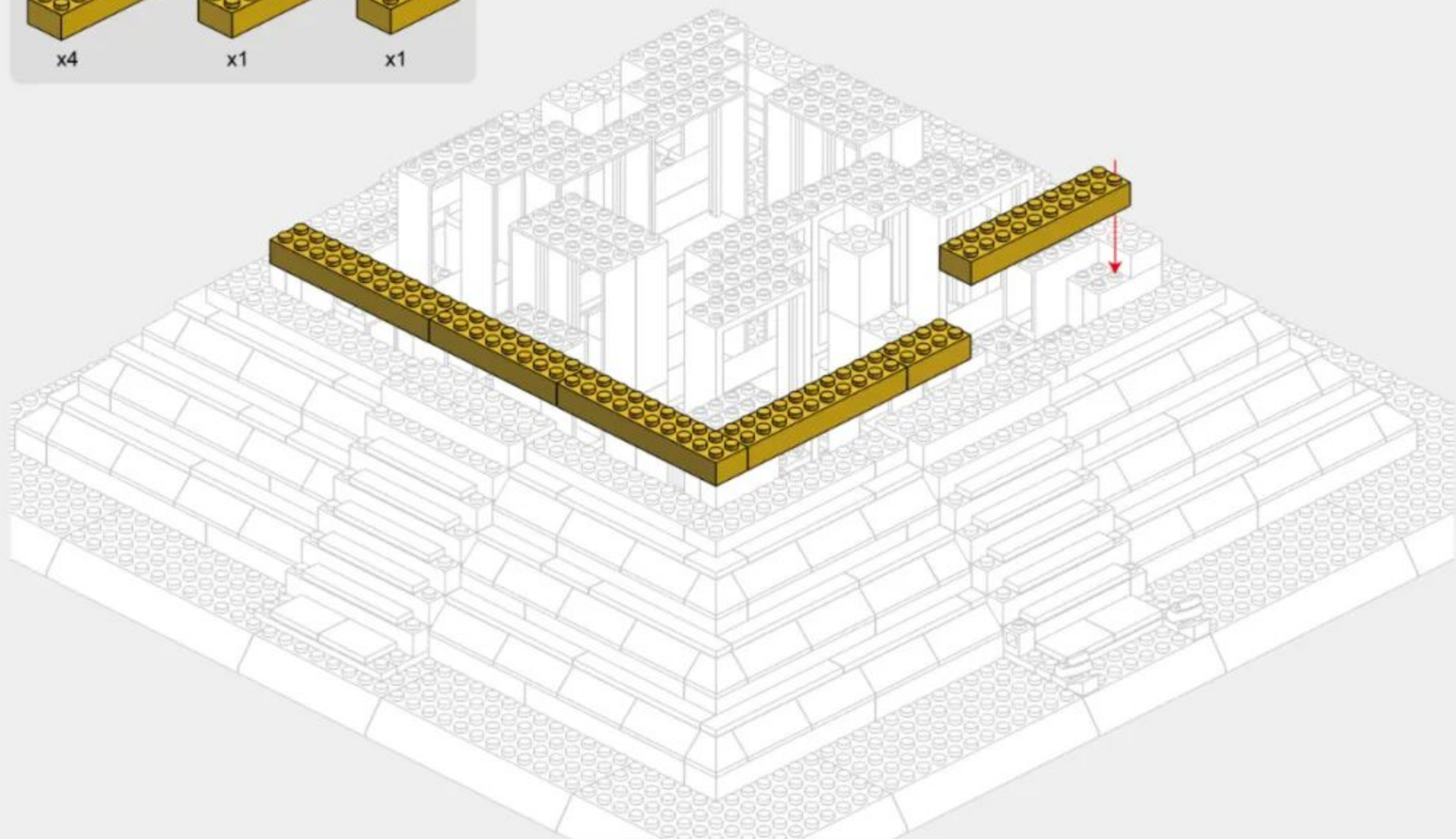
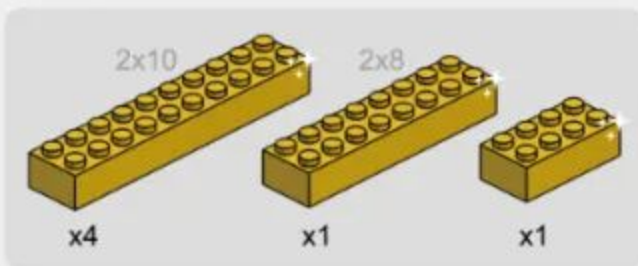
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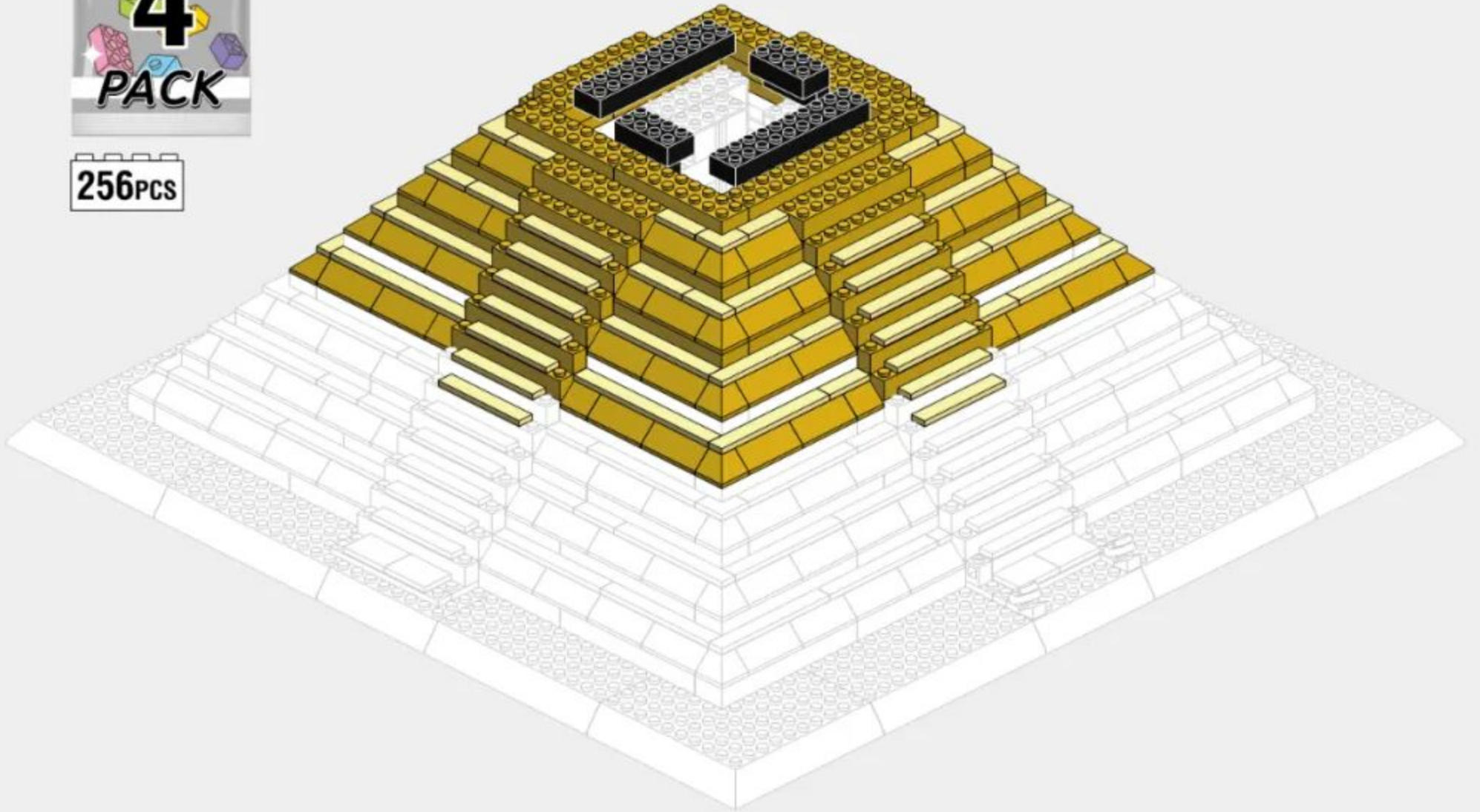


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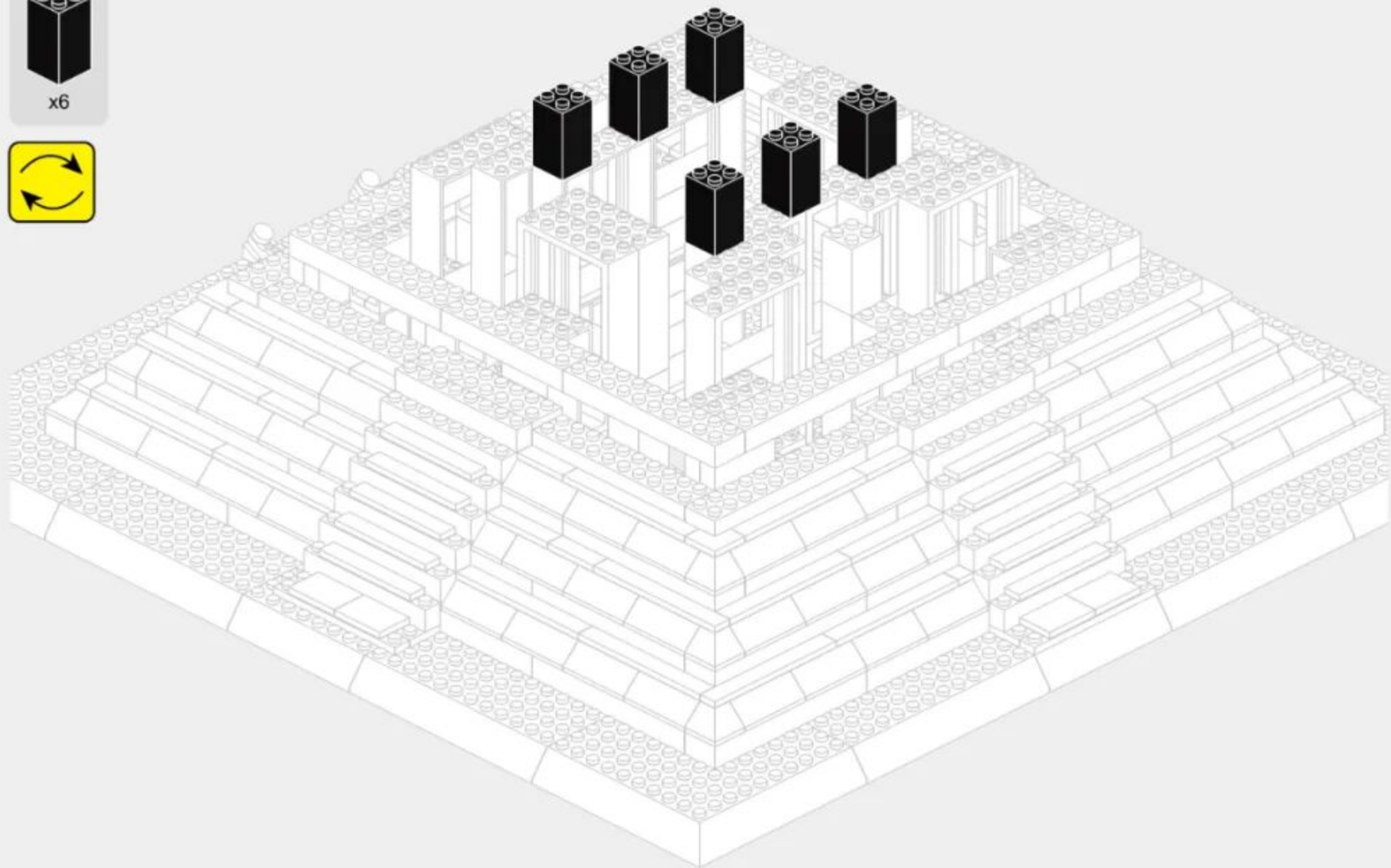




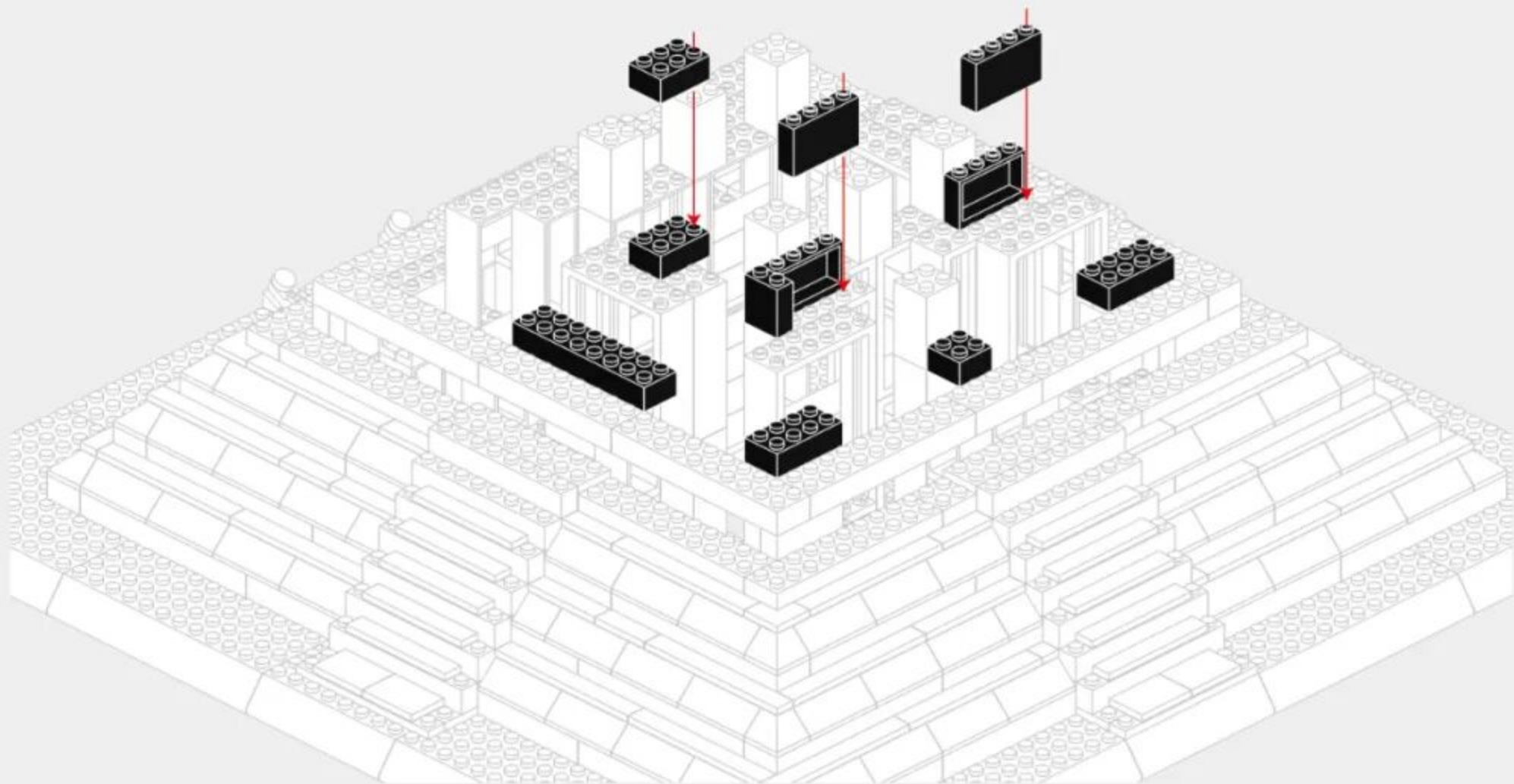
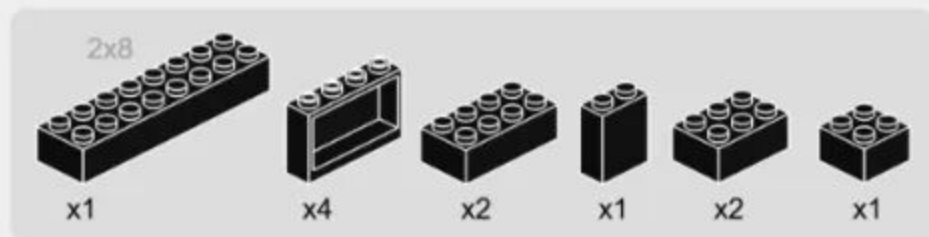
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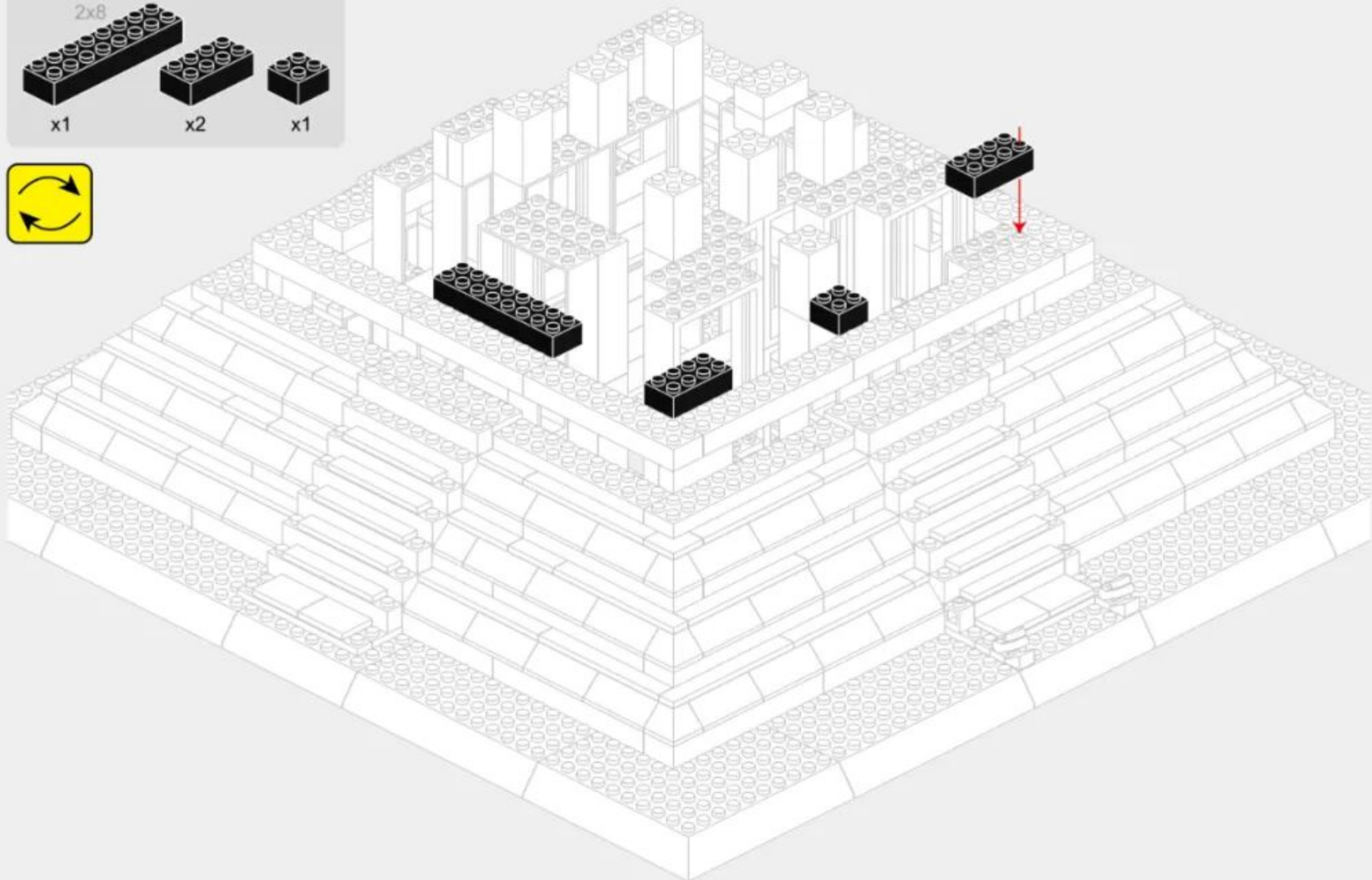
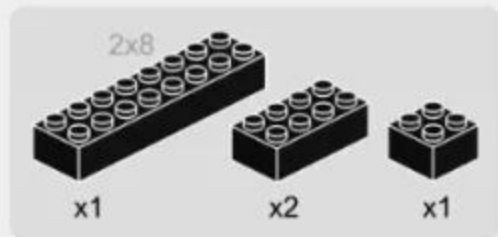
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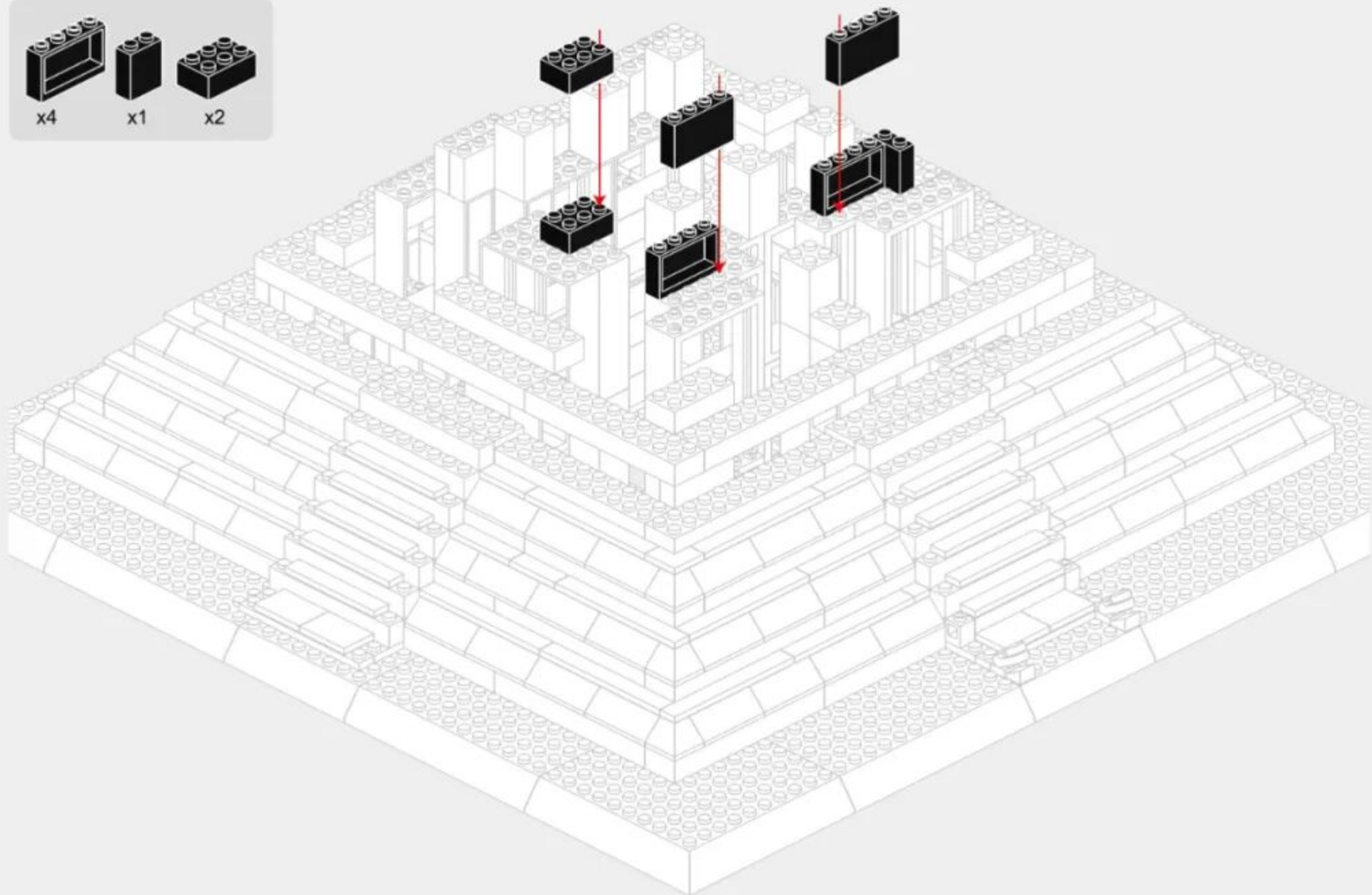
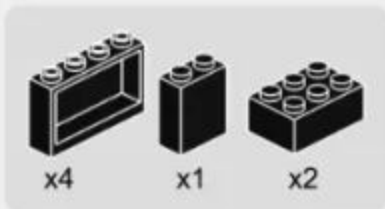
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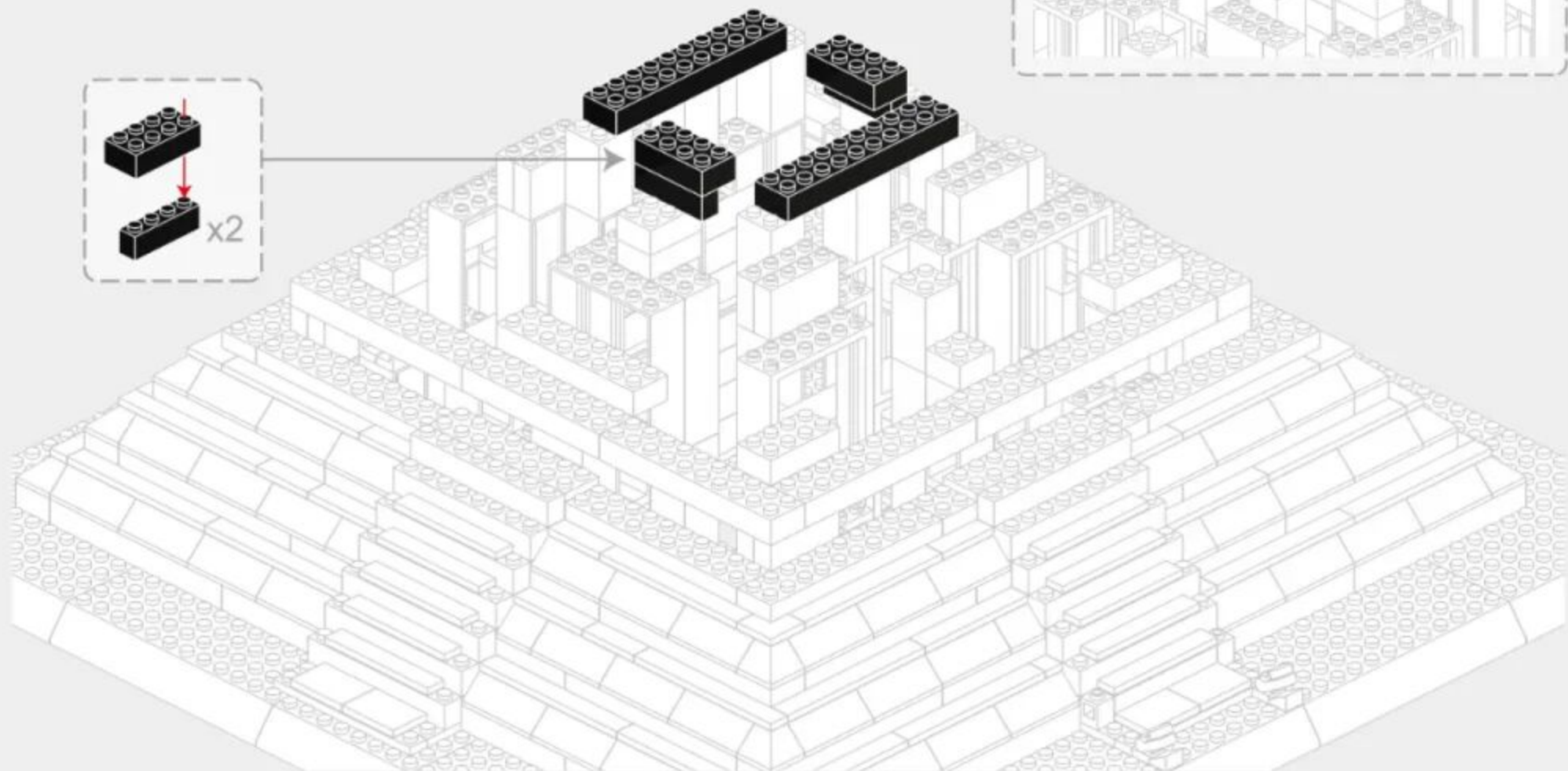
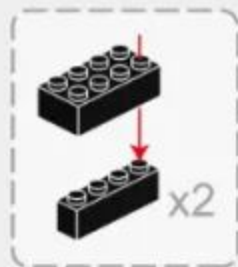
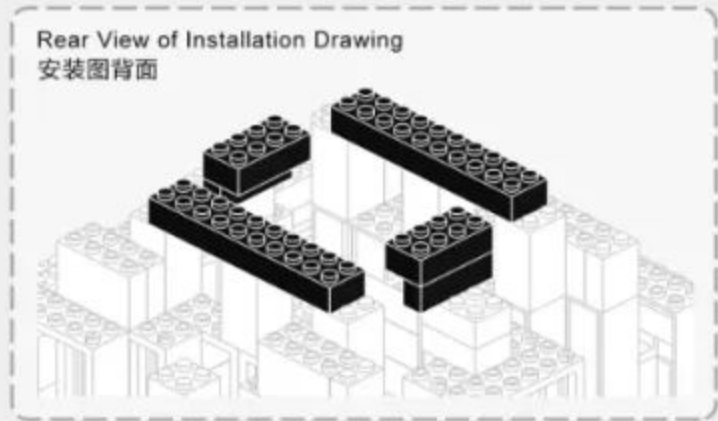
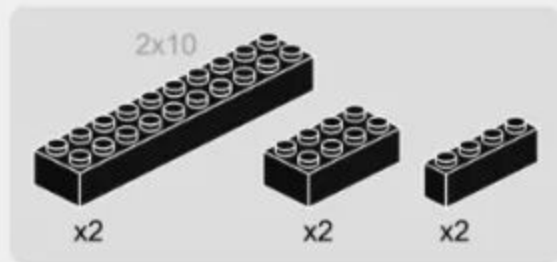
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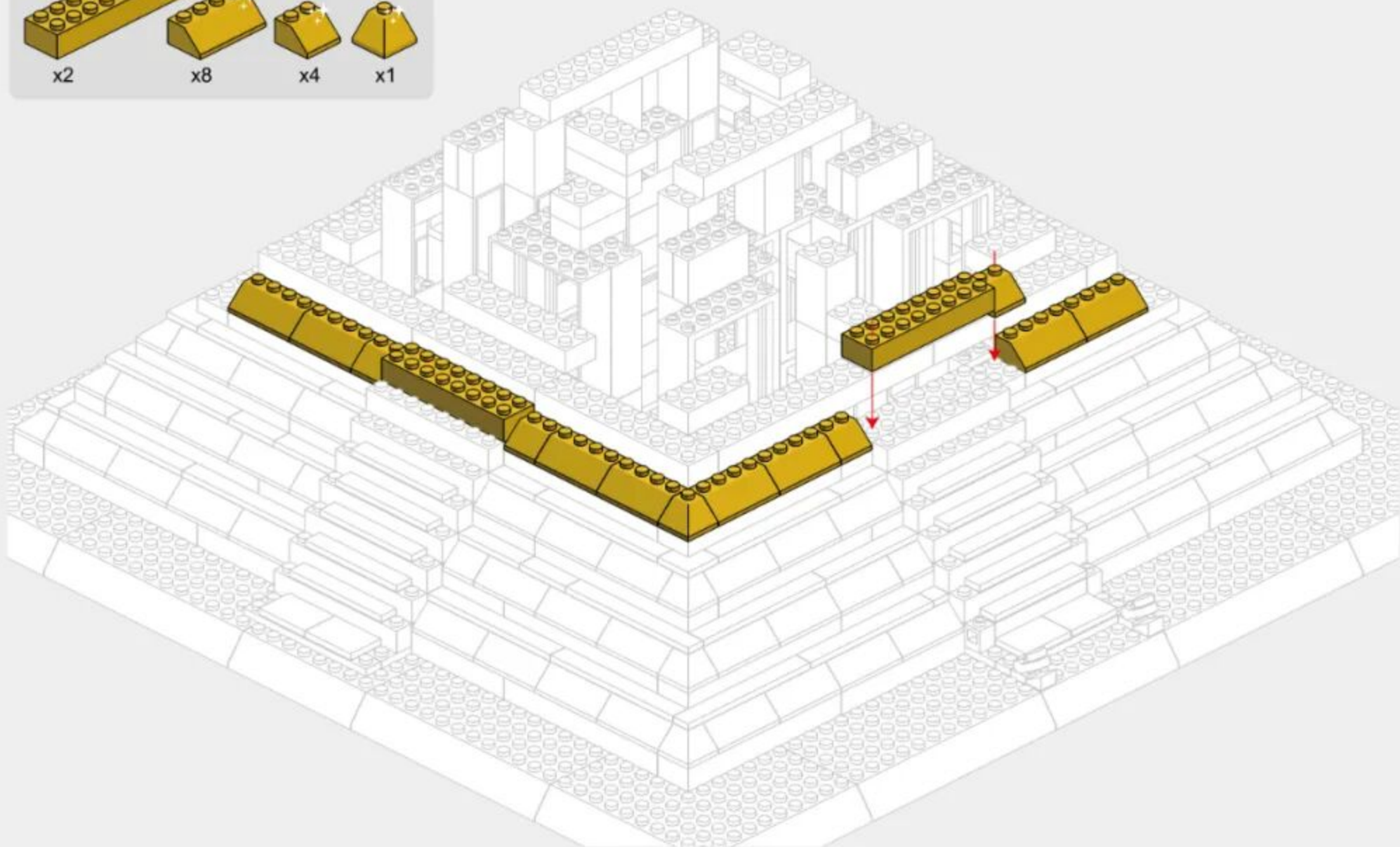
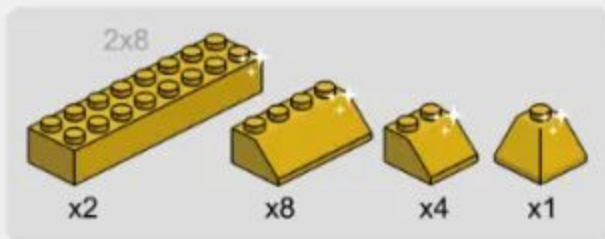
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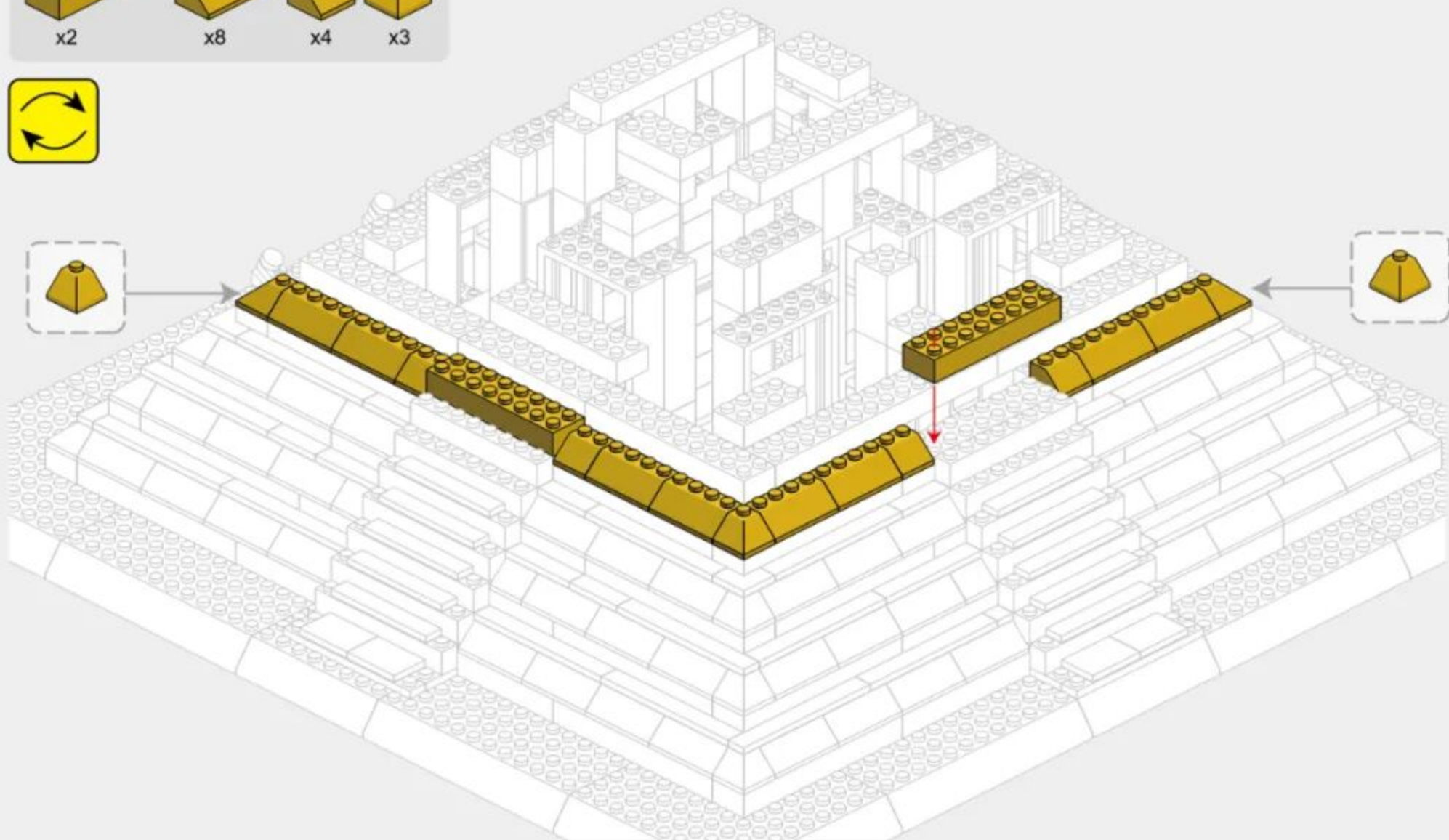
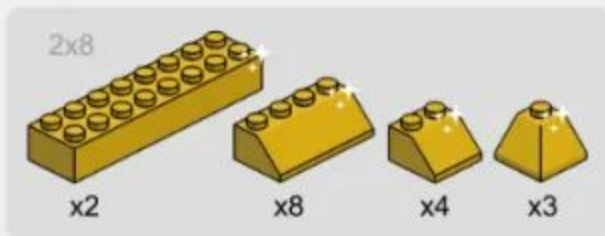
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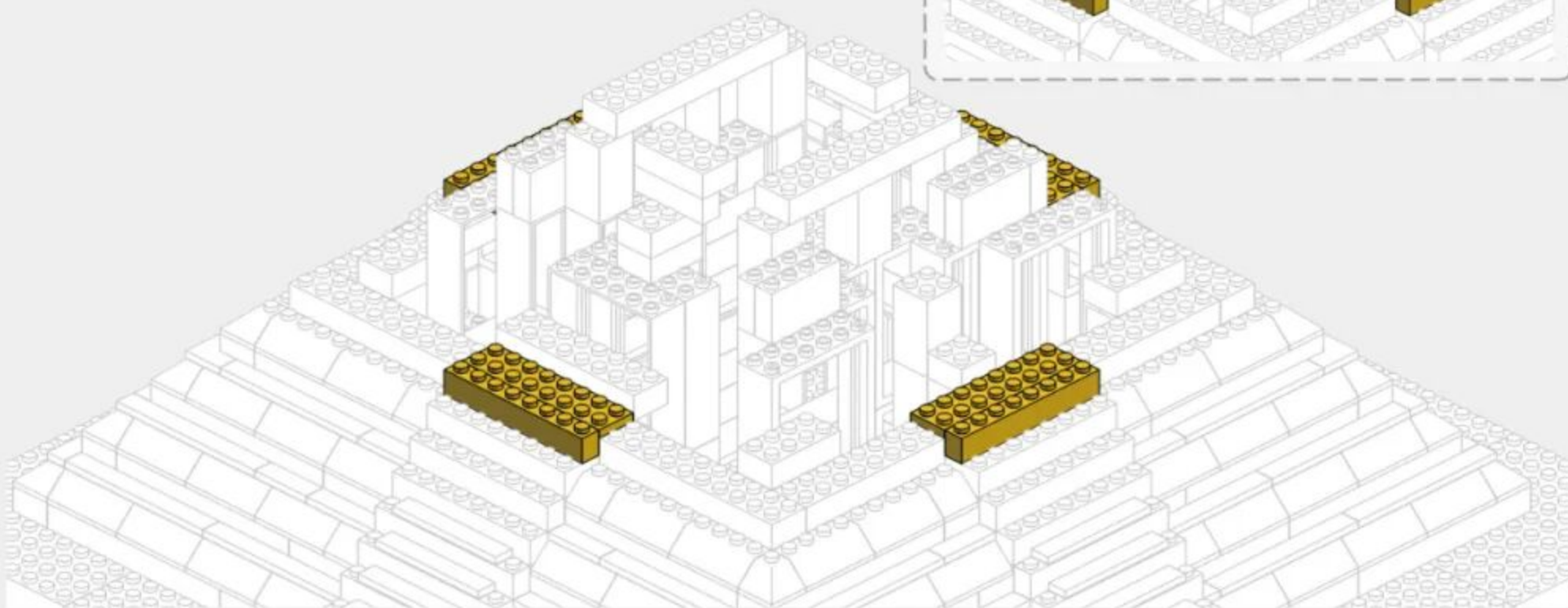
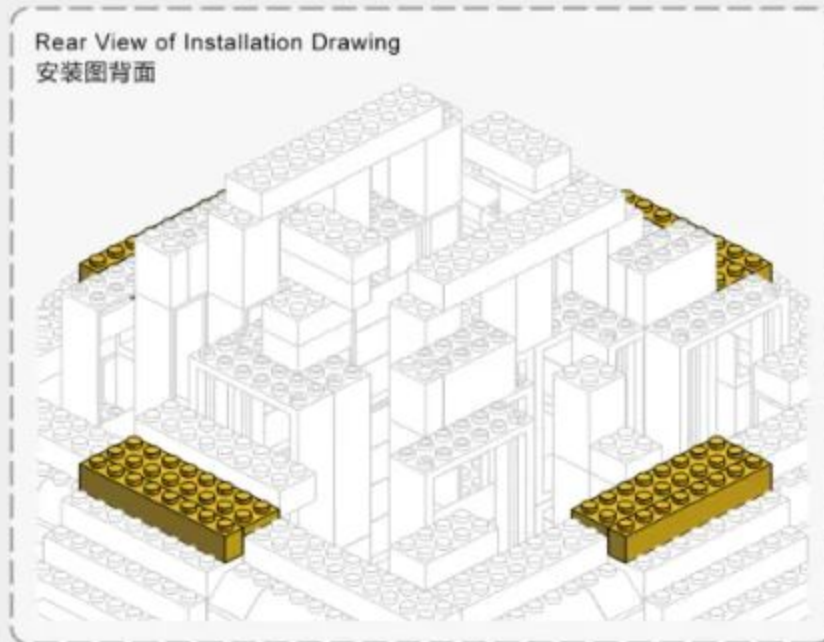
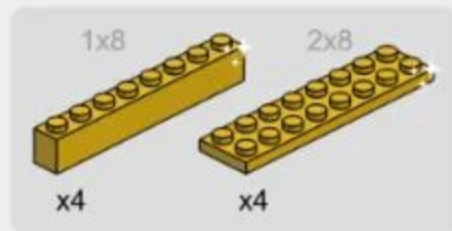
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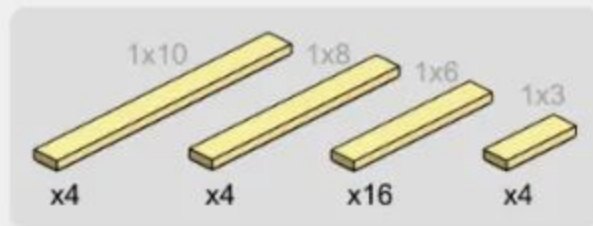
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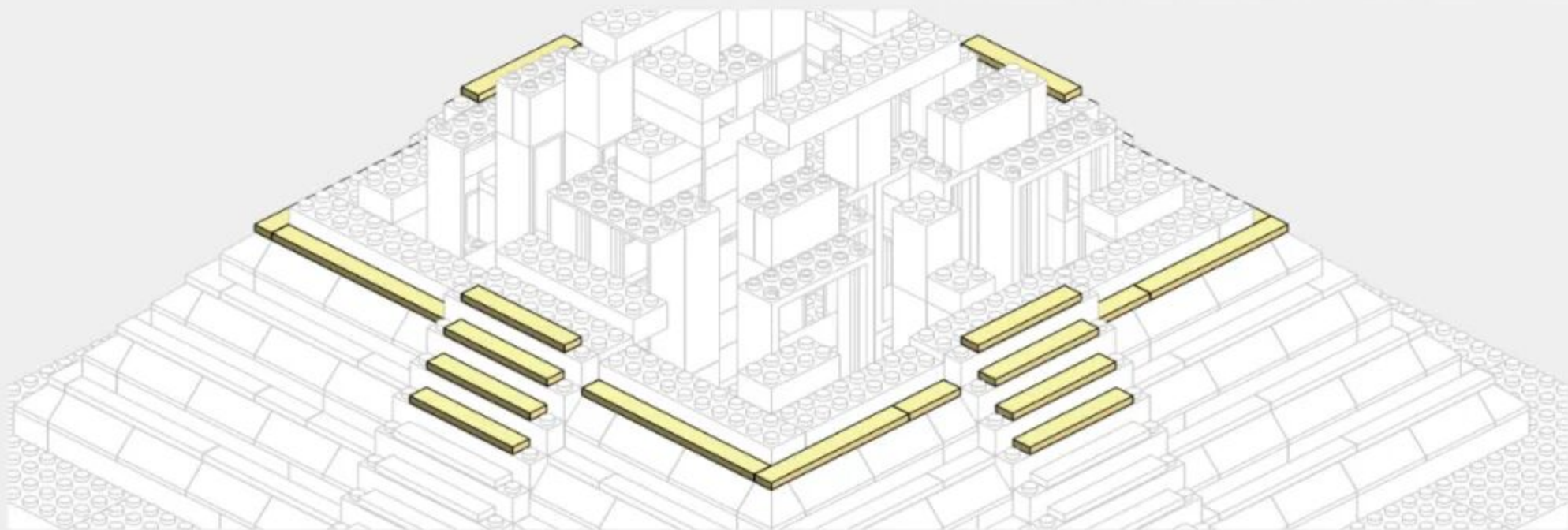
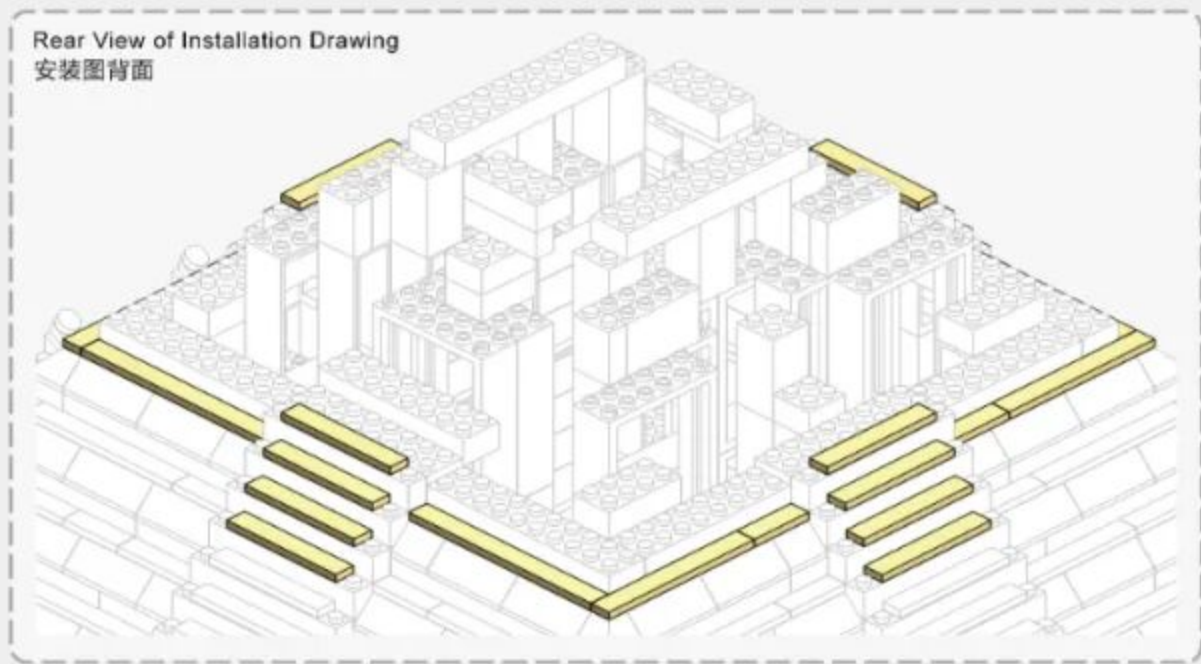
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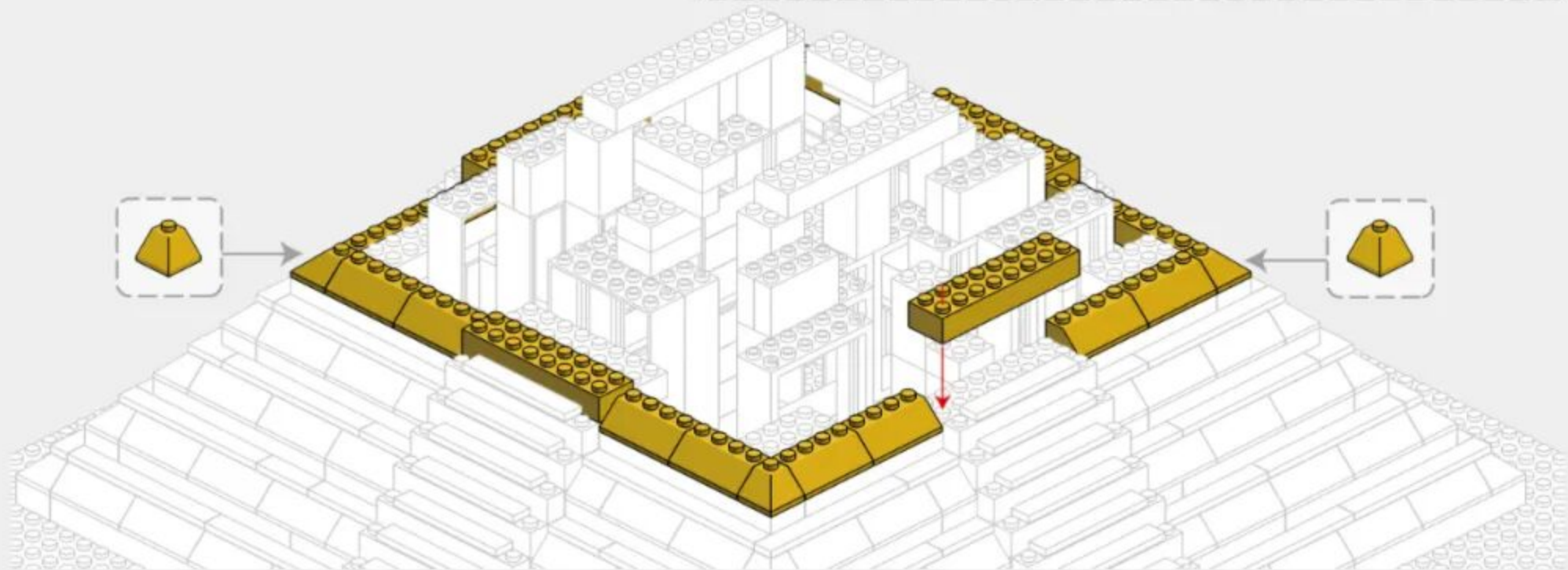
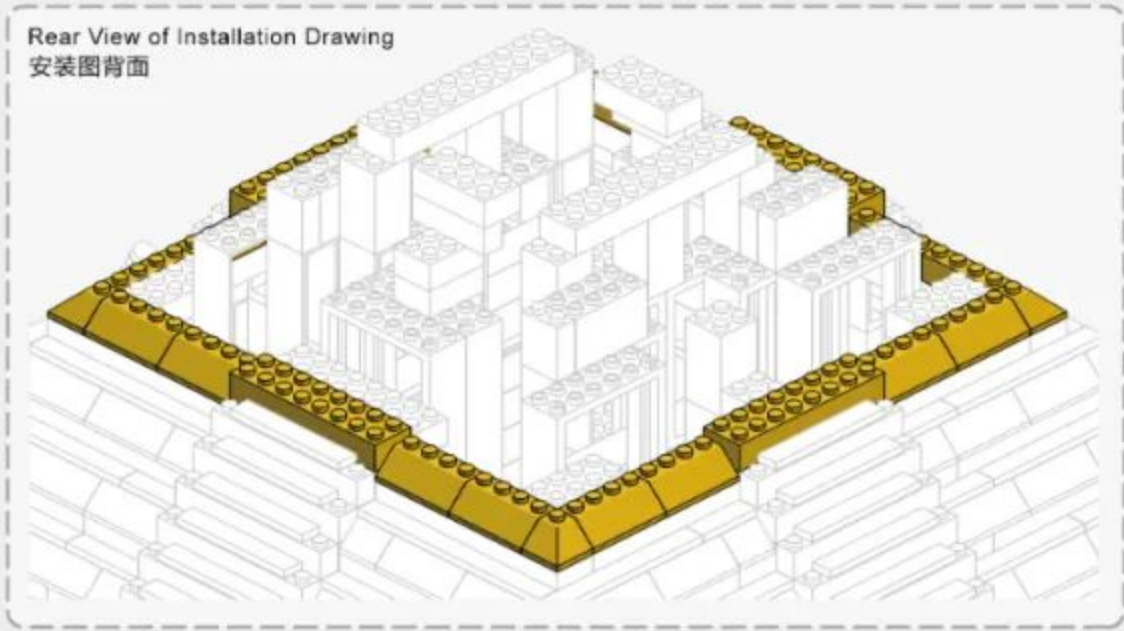
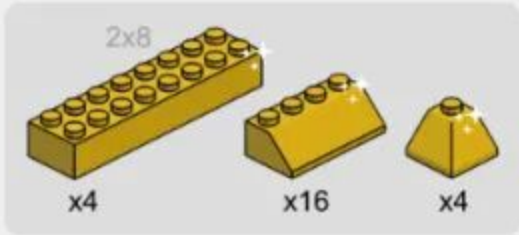
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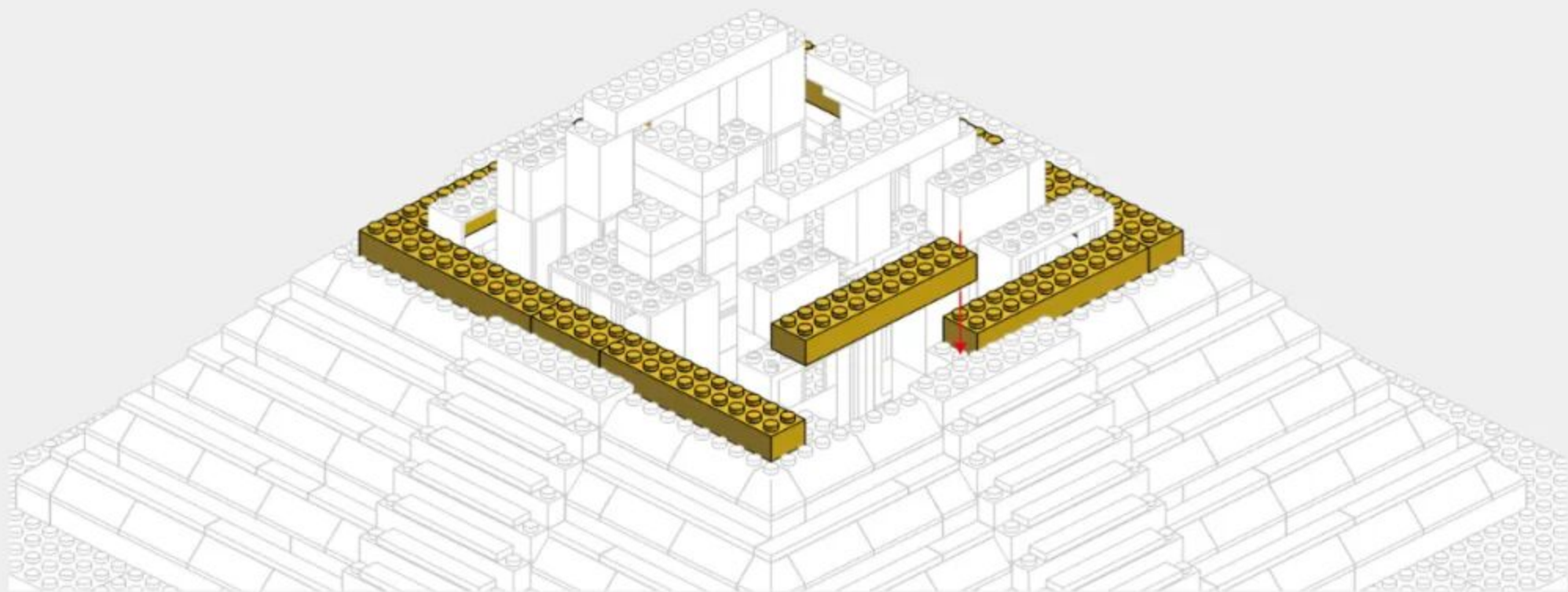
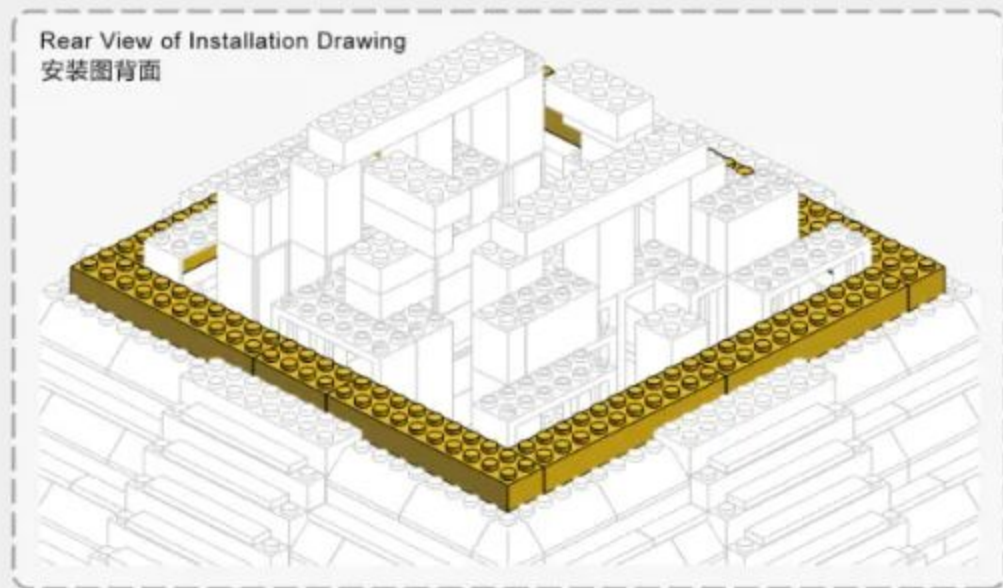
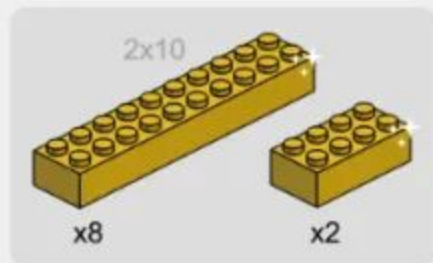
Rear View of Installation Drawing  
安装图背面



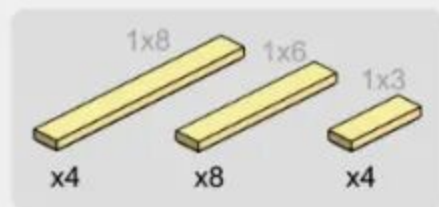
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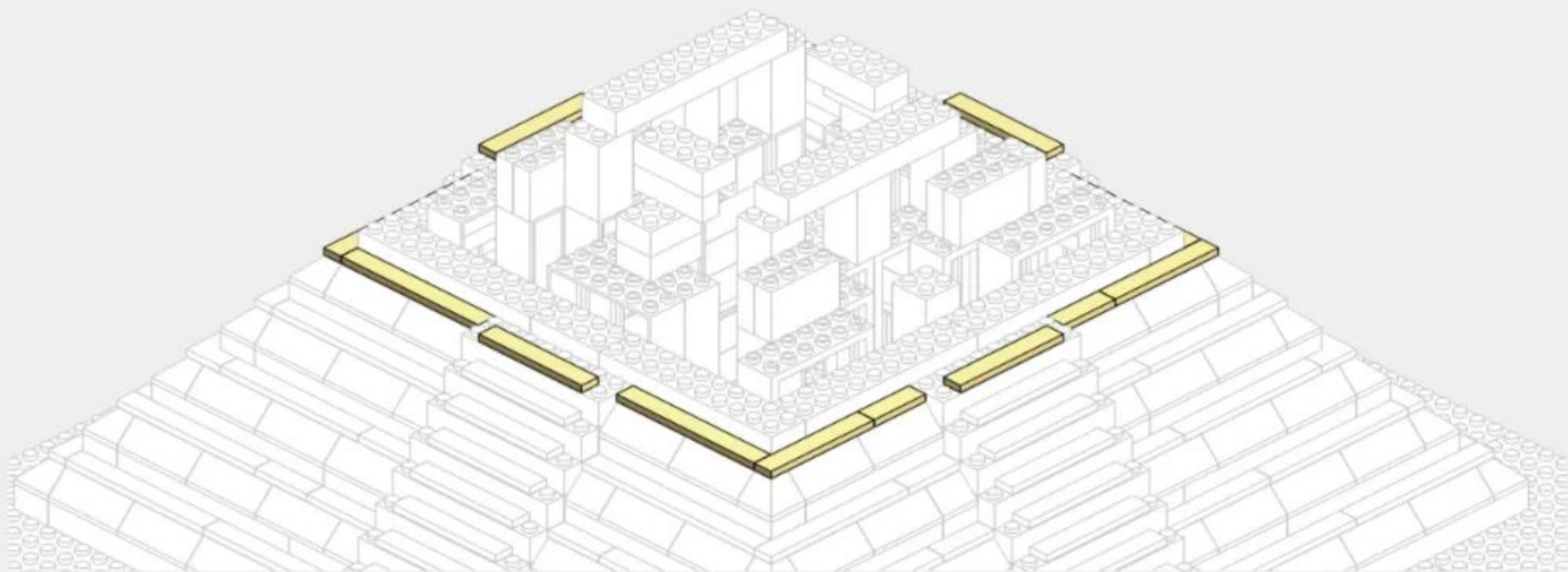
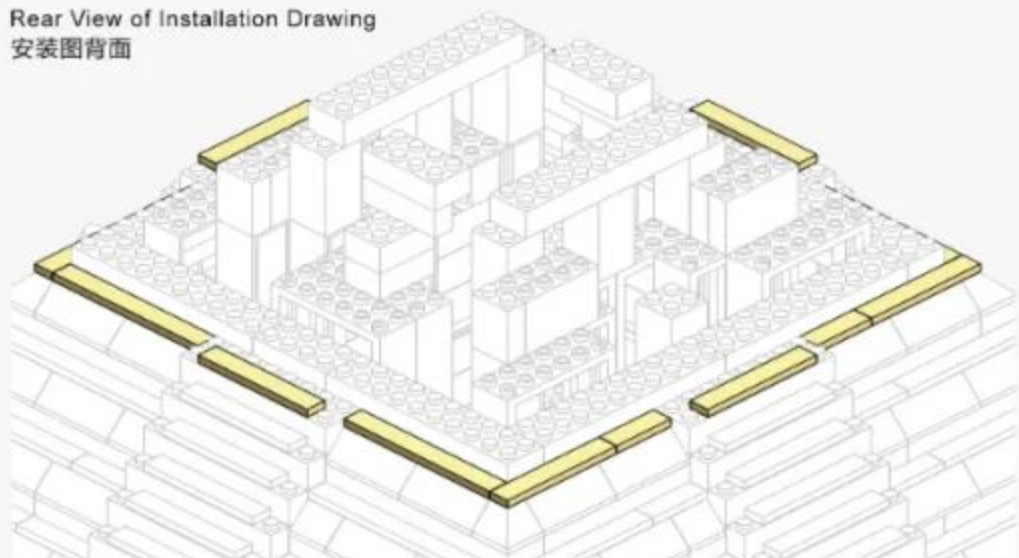
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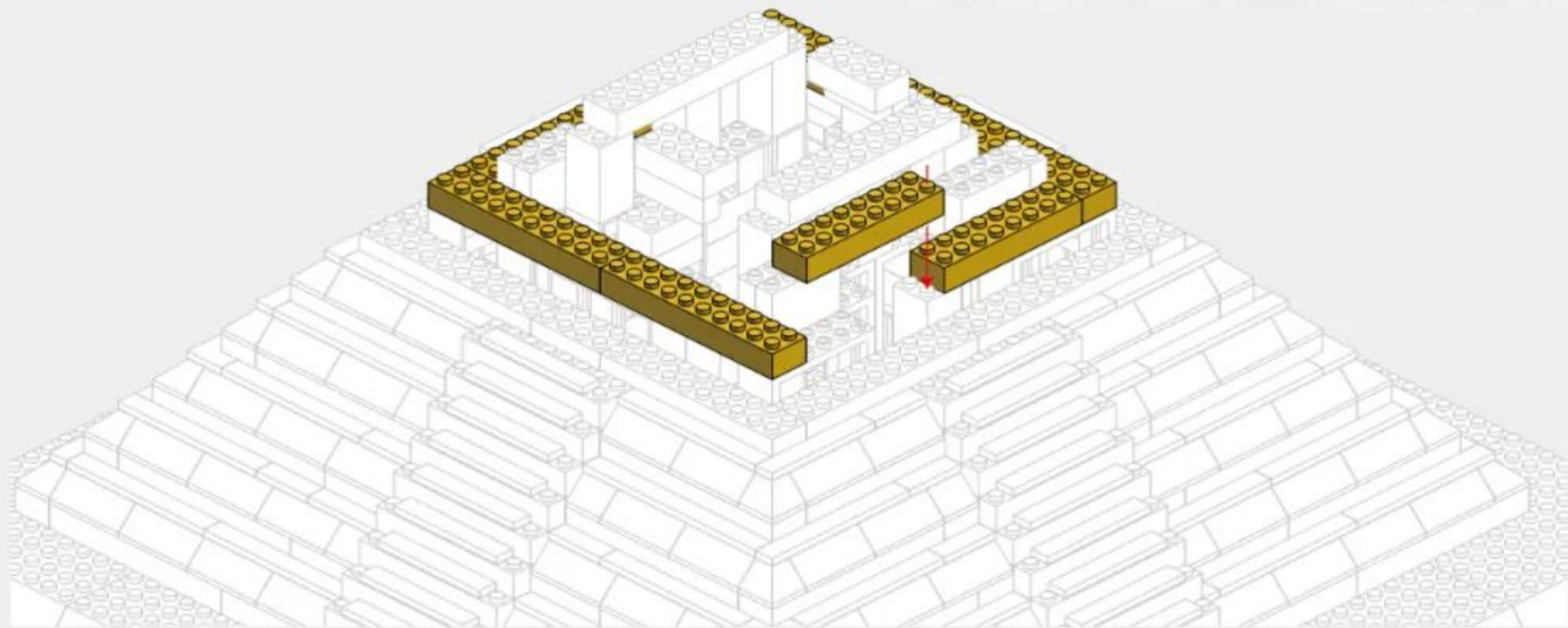
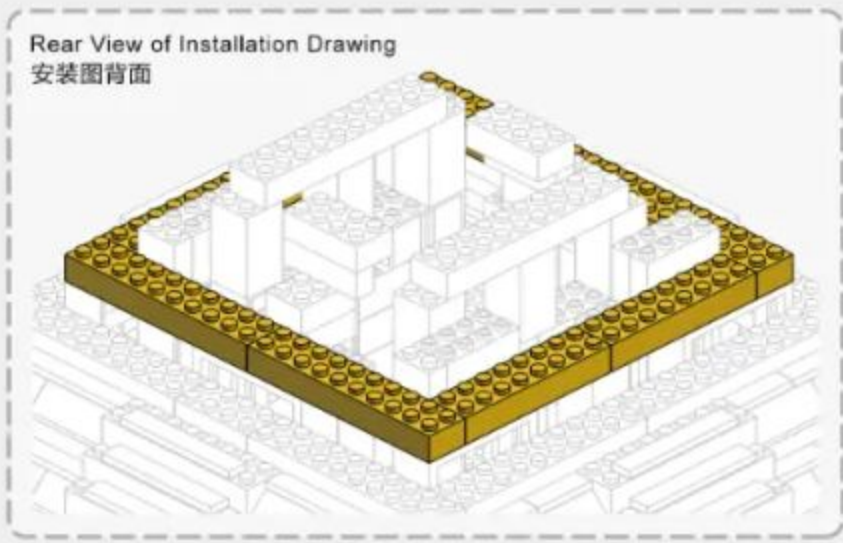
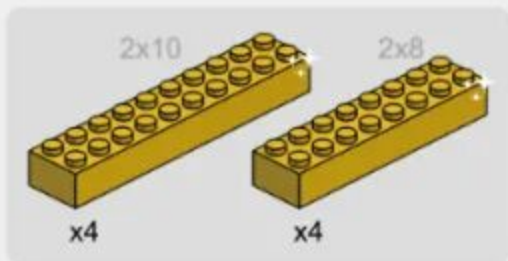
4-12



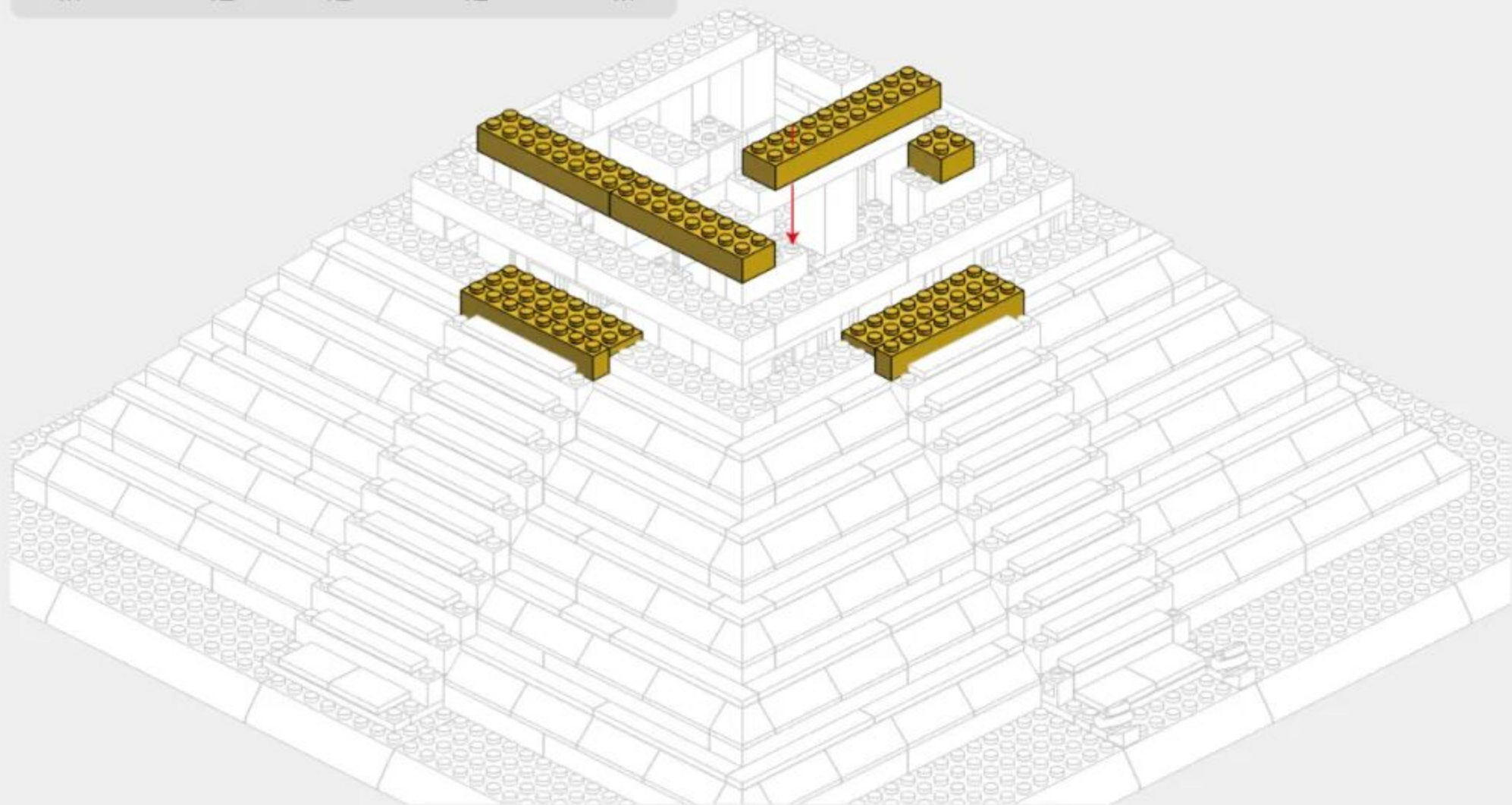
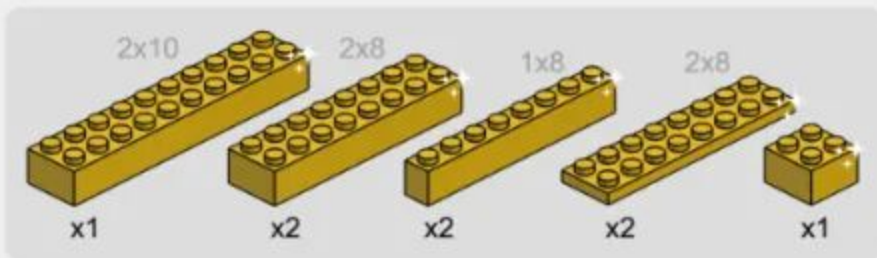
Rear View of Installation Drawing  
安装图背面



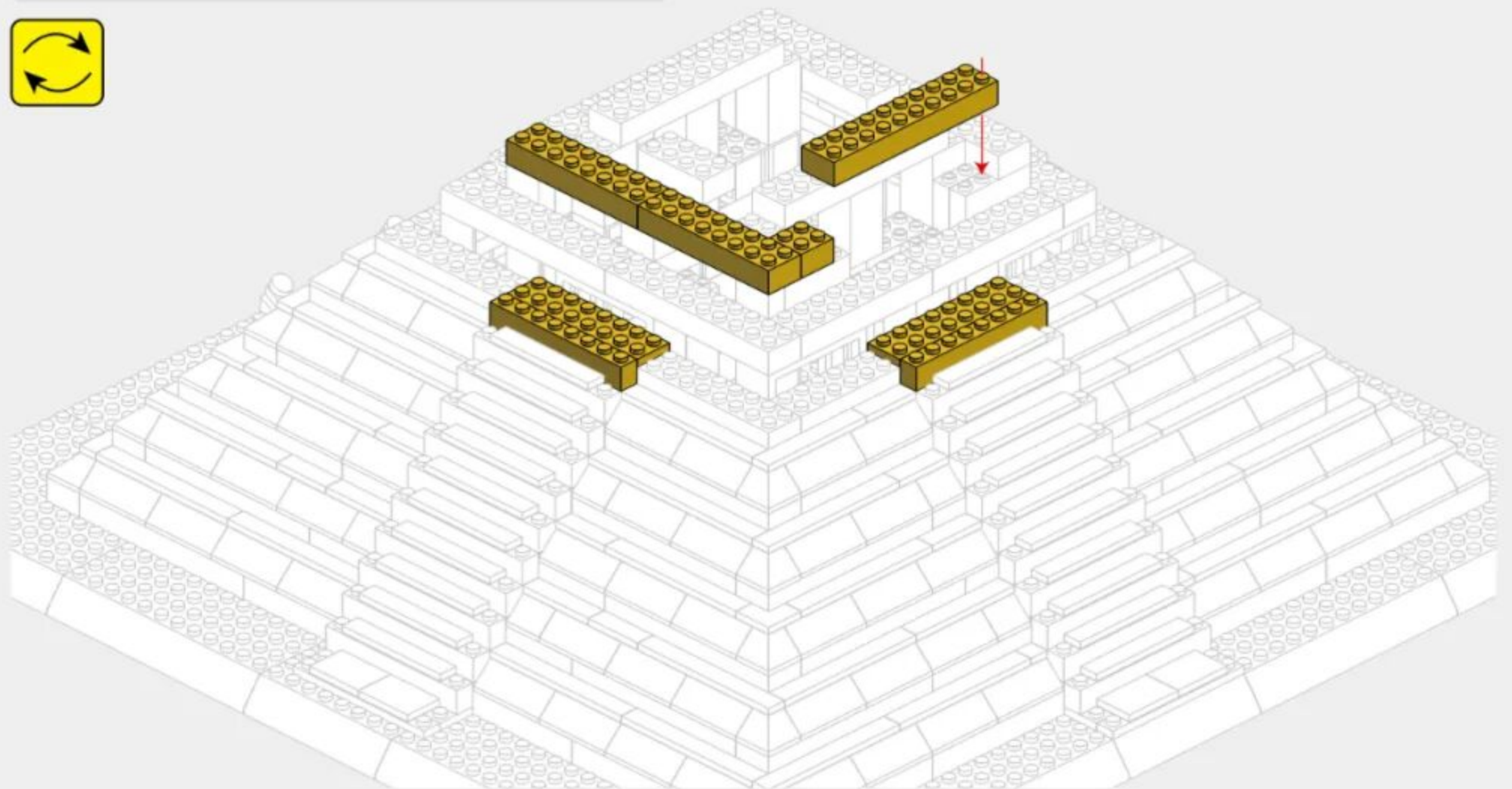
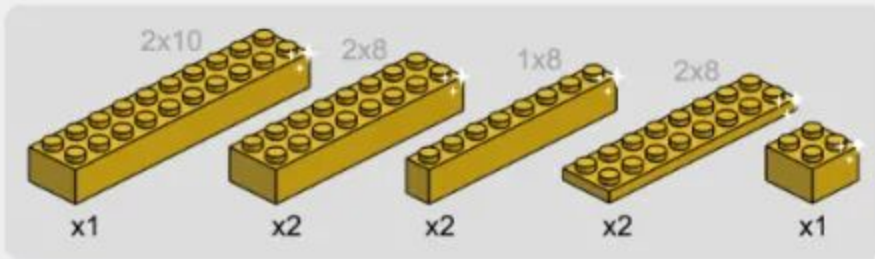
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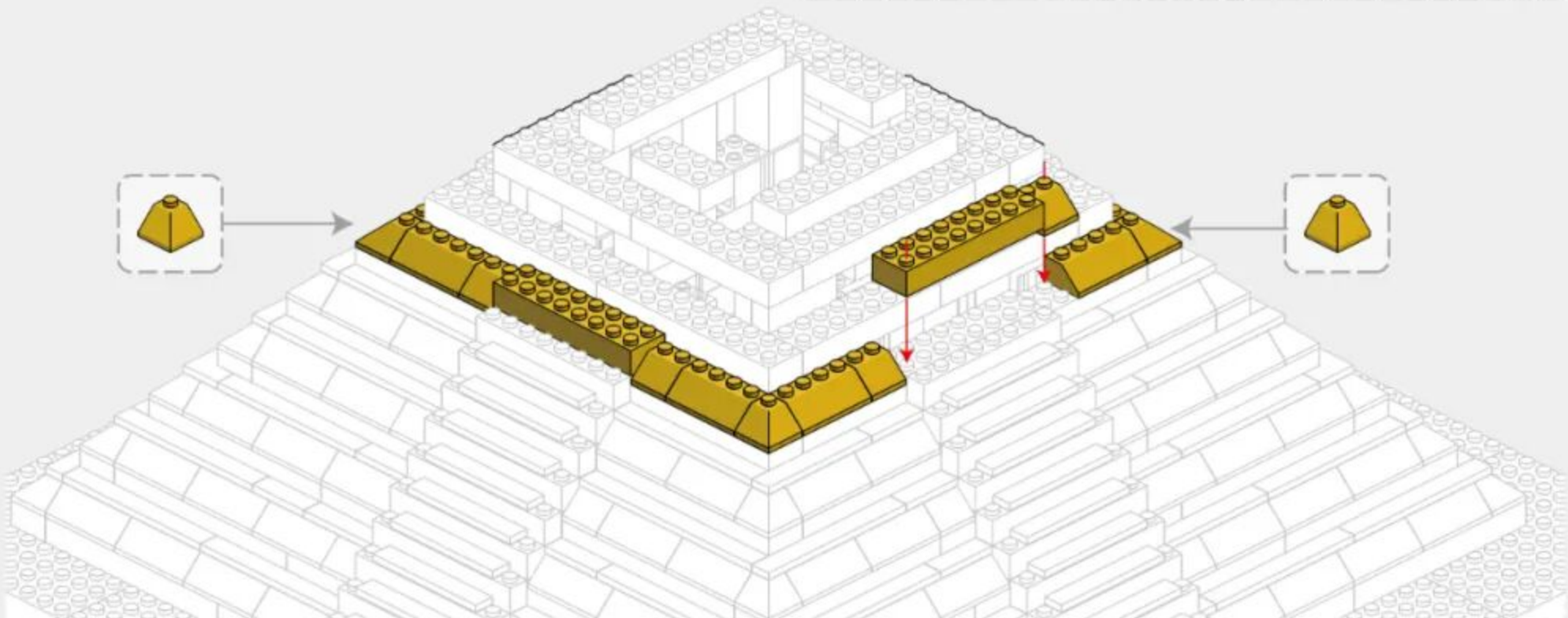
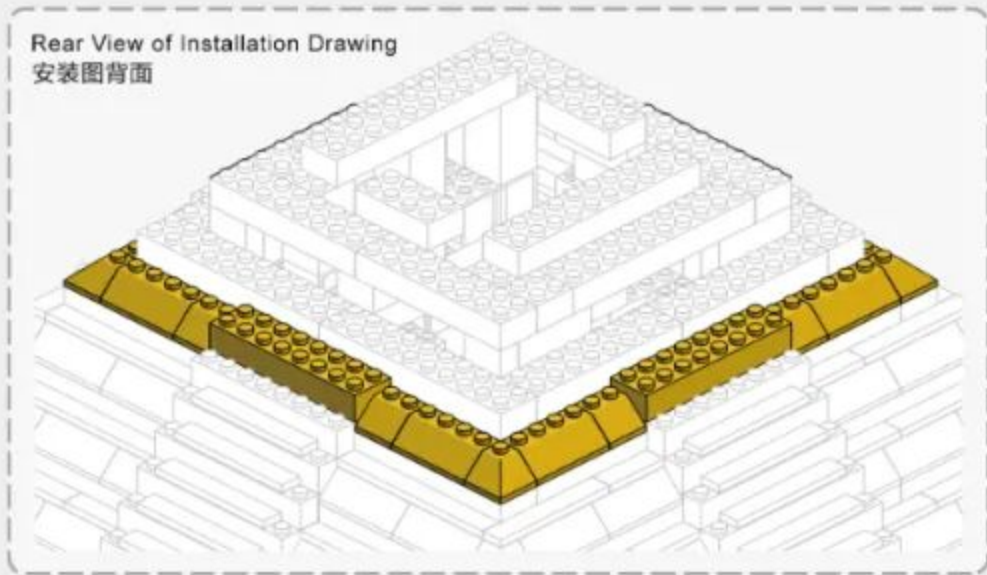
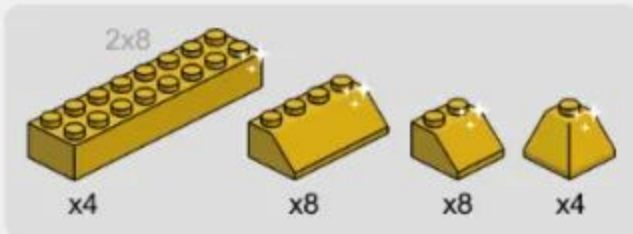
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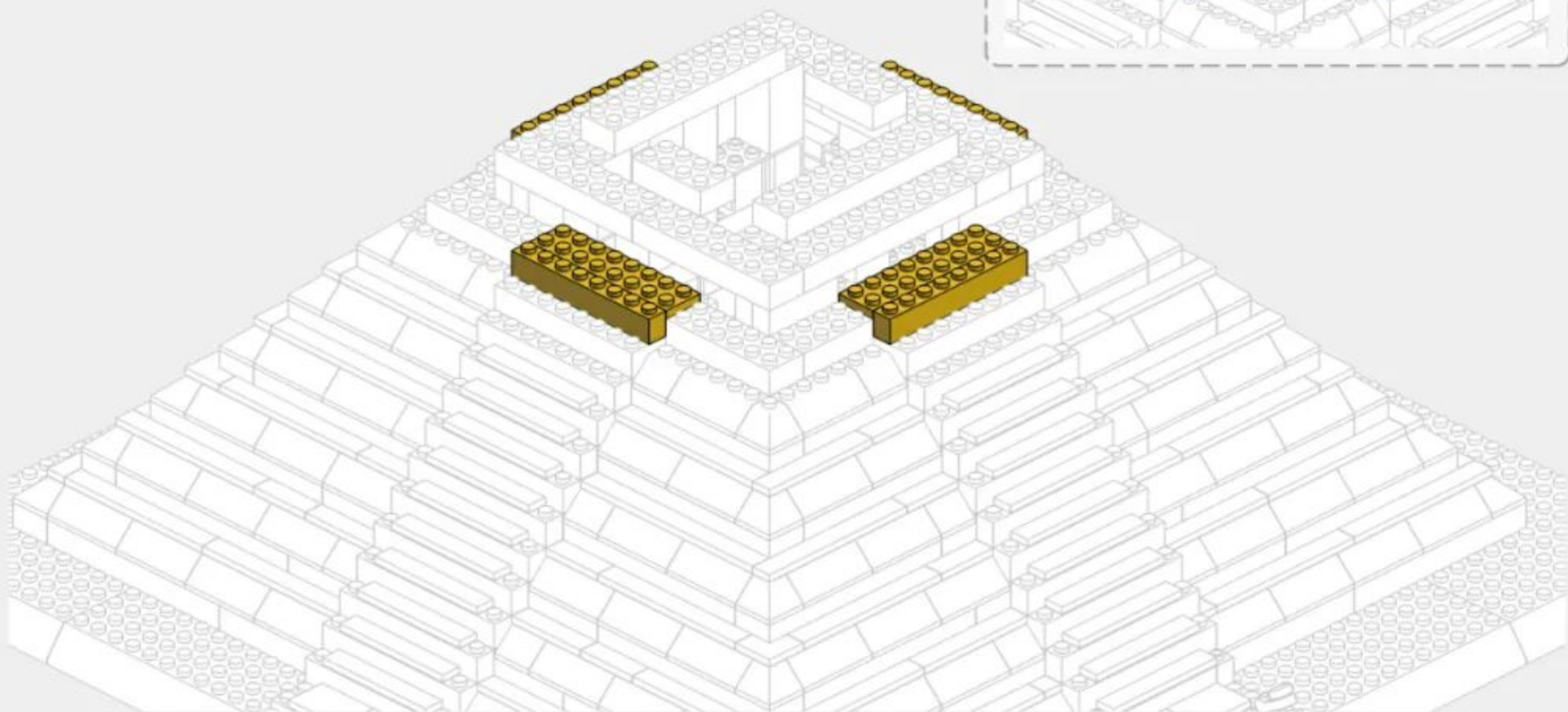
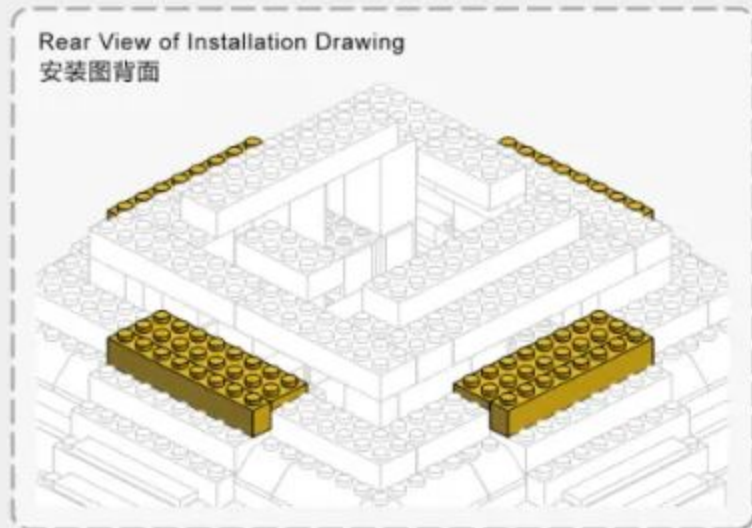
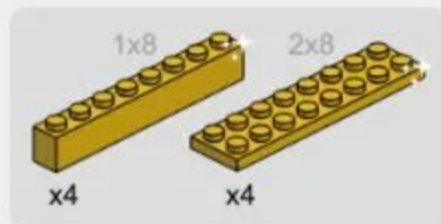
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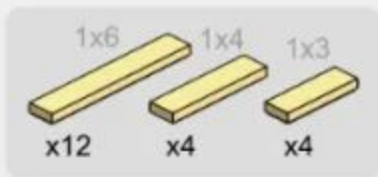
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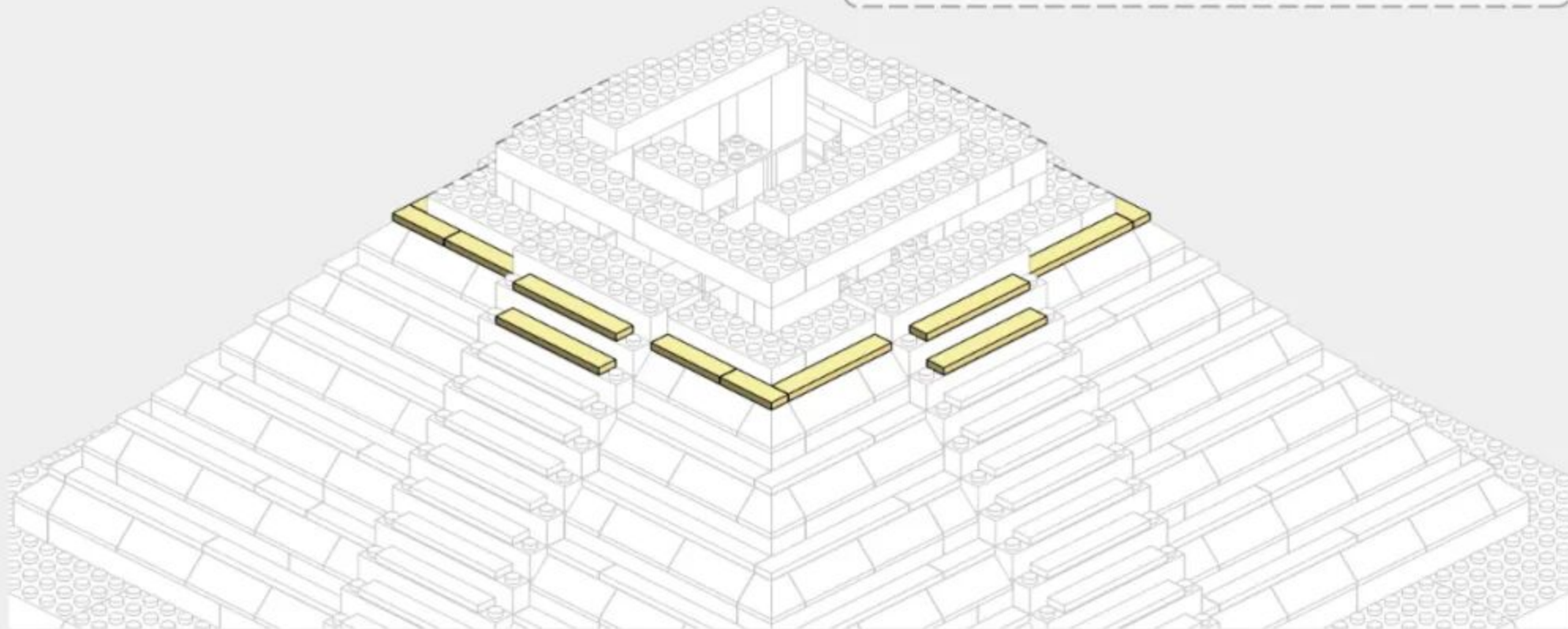
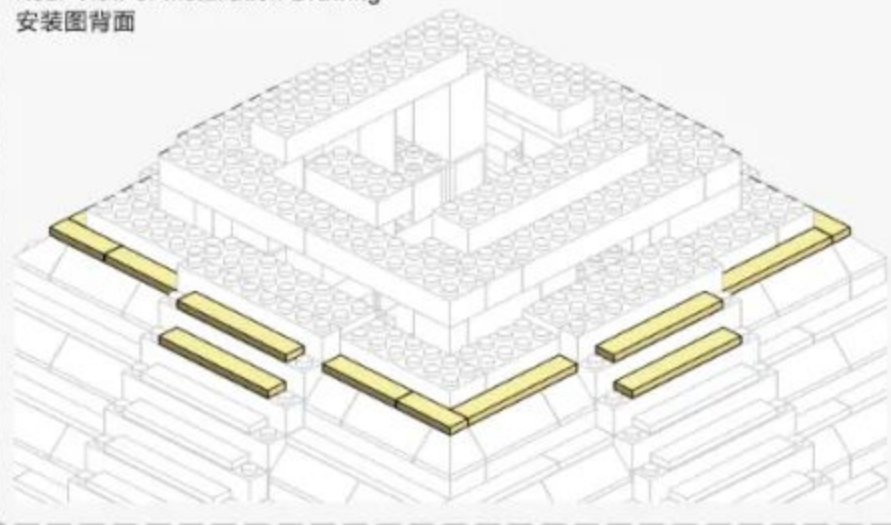
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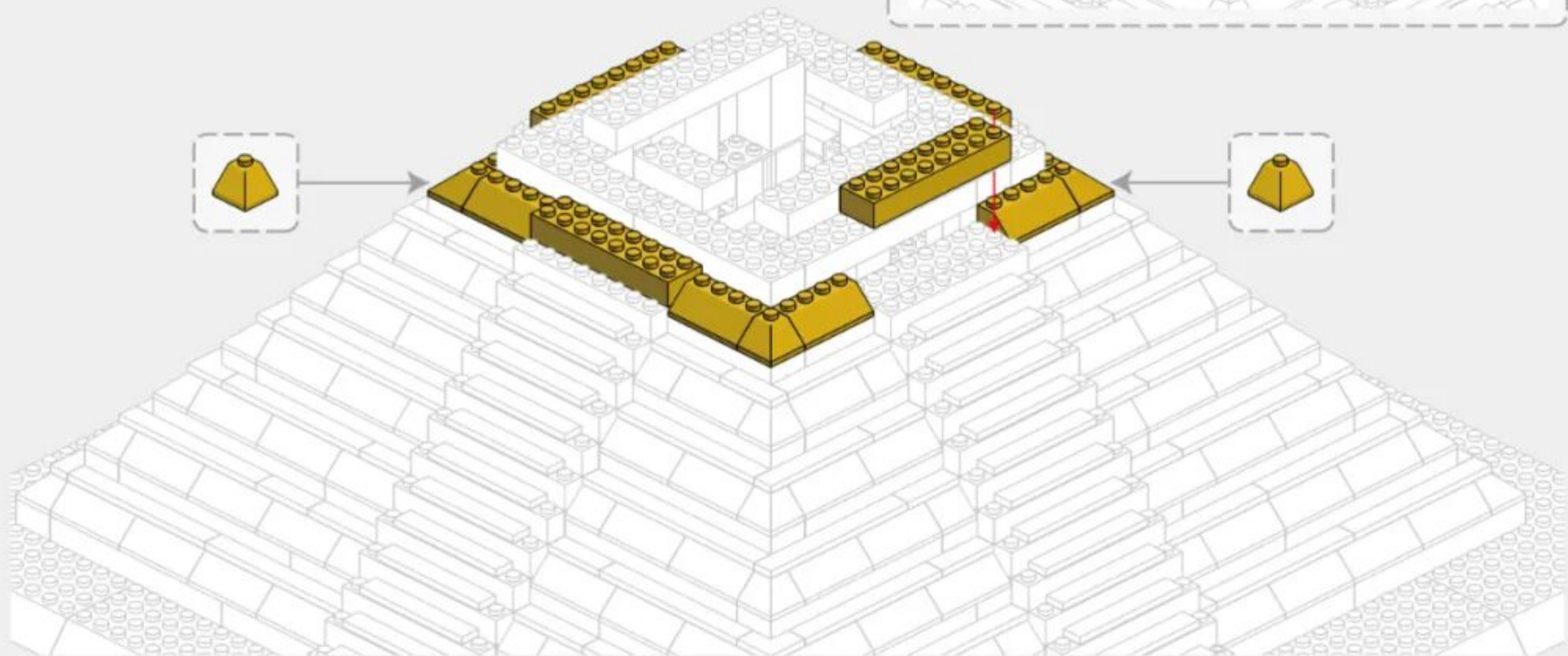
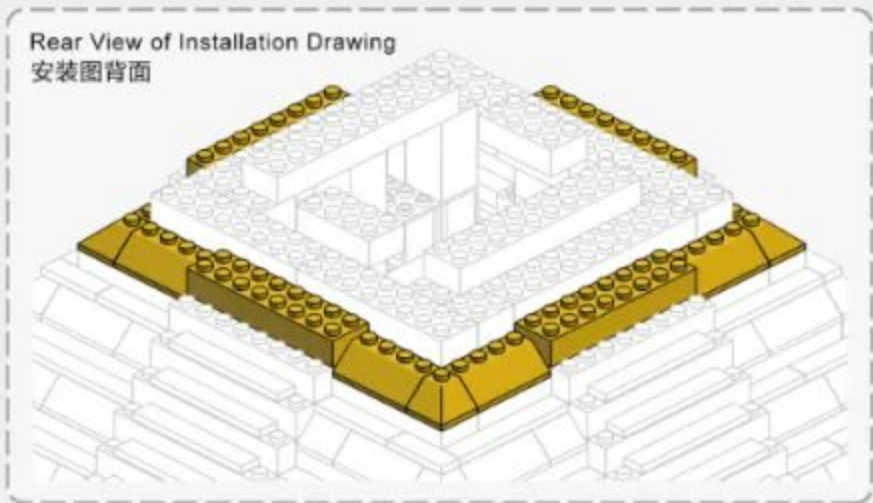
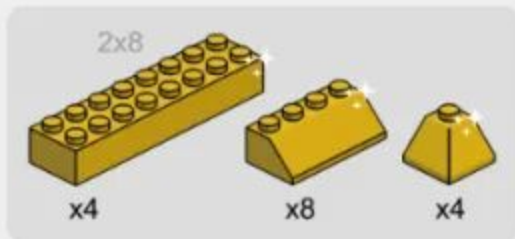
# 4-18



Rear View of Installation Drawing  
安装图背面



4-19



4-20

1x3

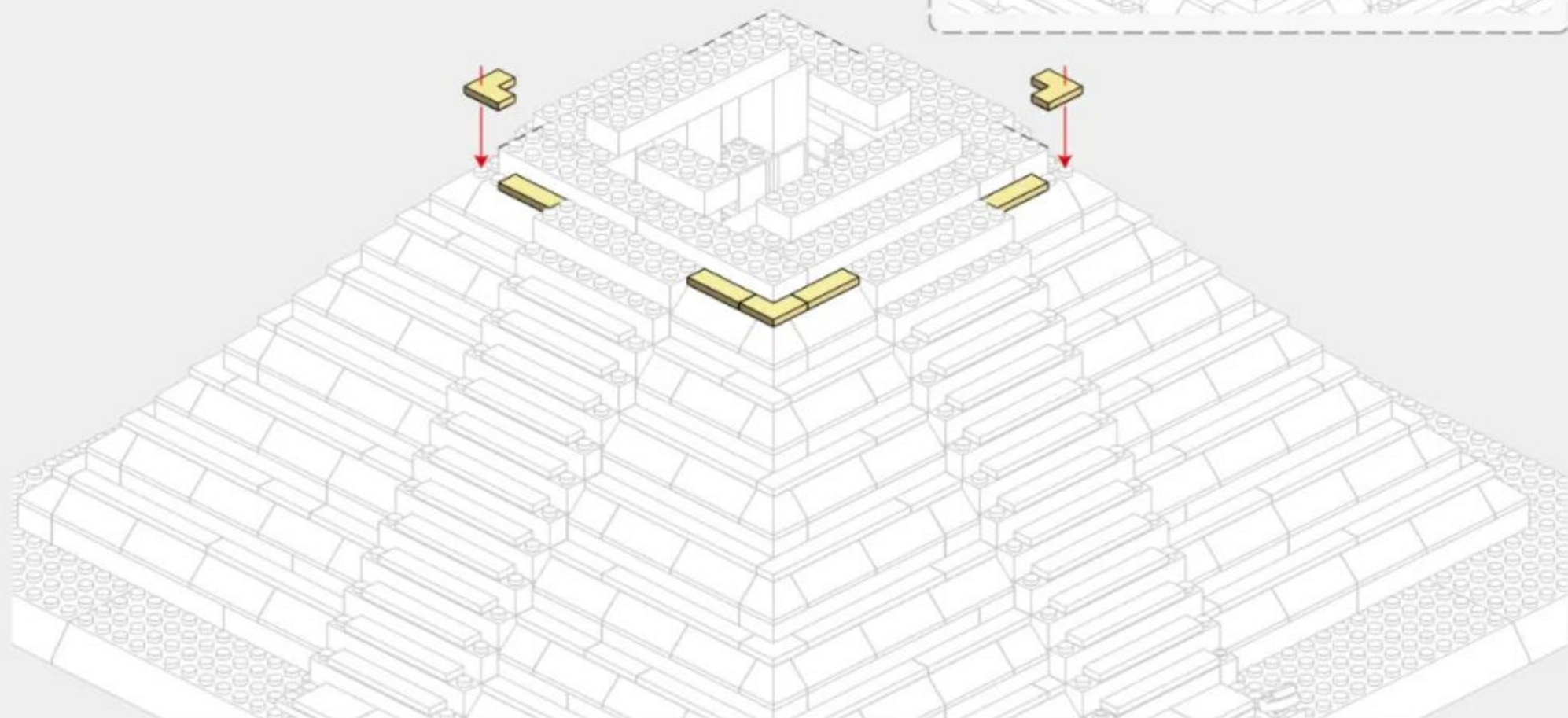
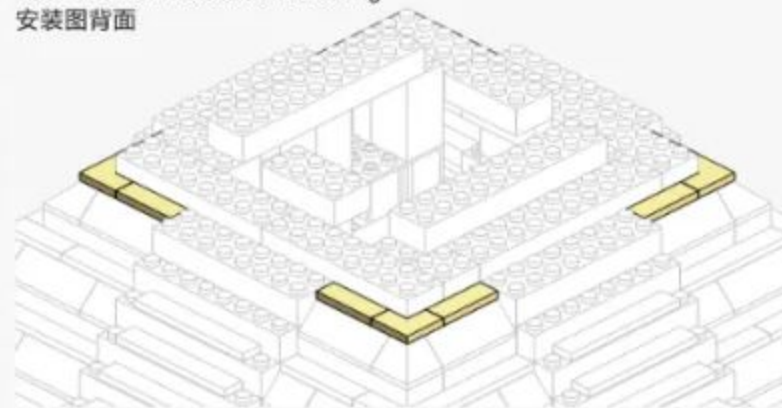


x8



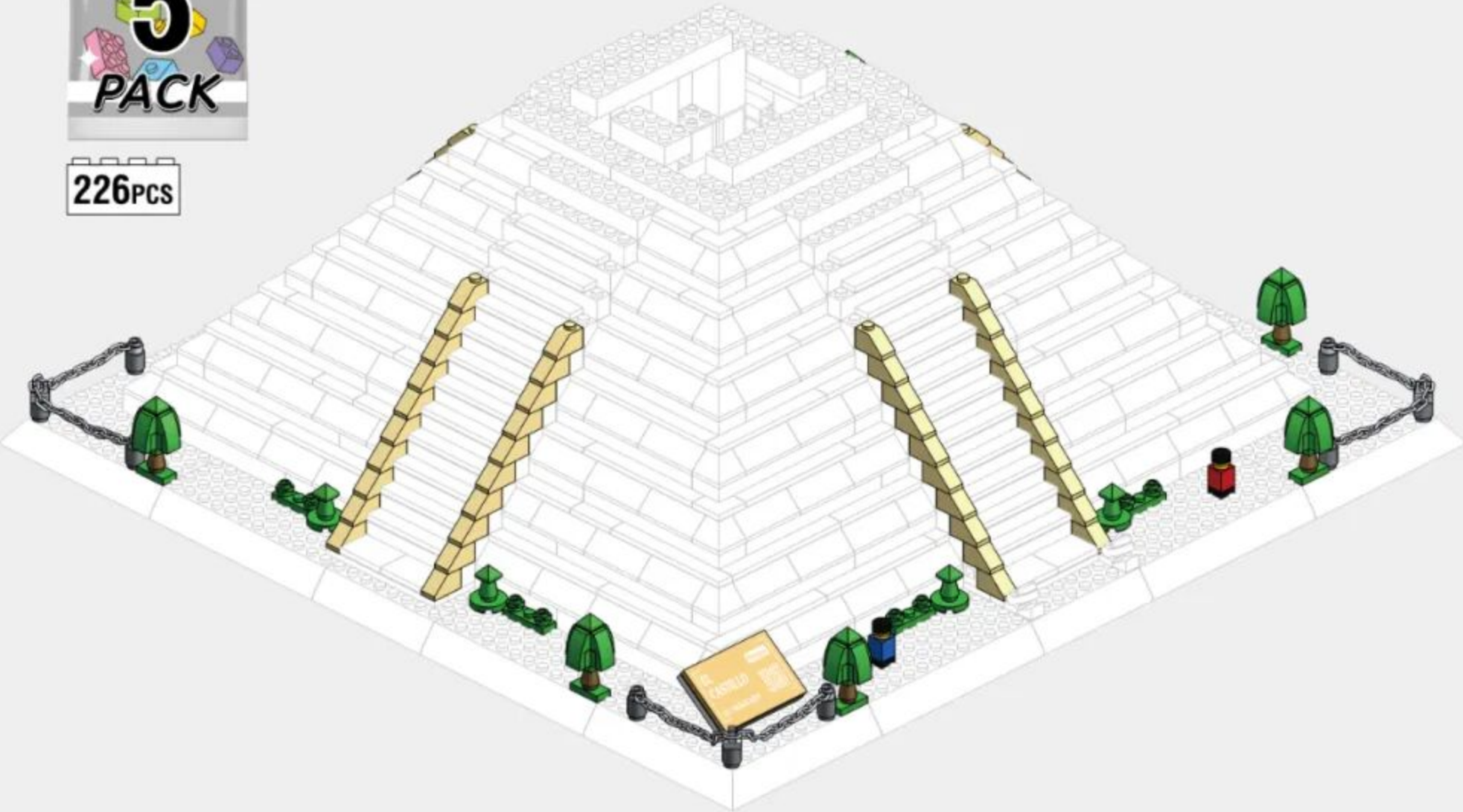
x4

Rear View of Installation Drawing  
安装图背面



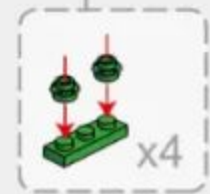
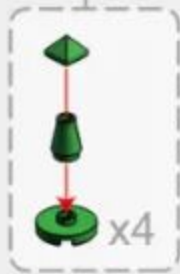
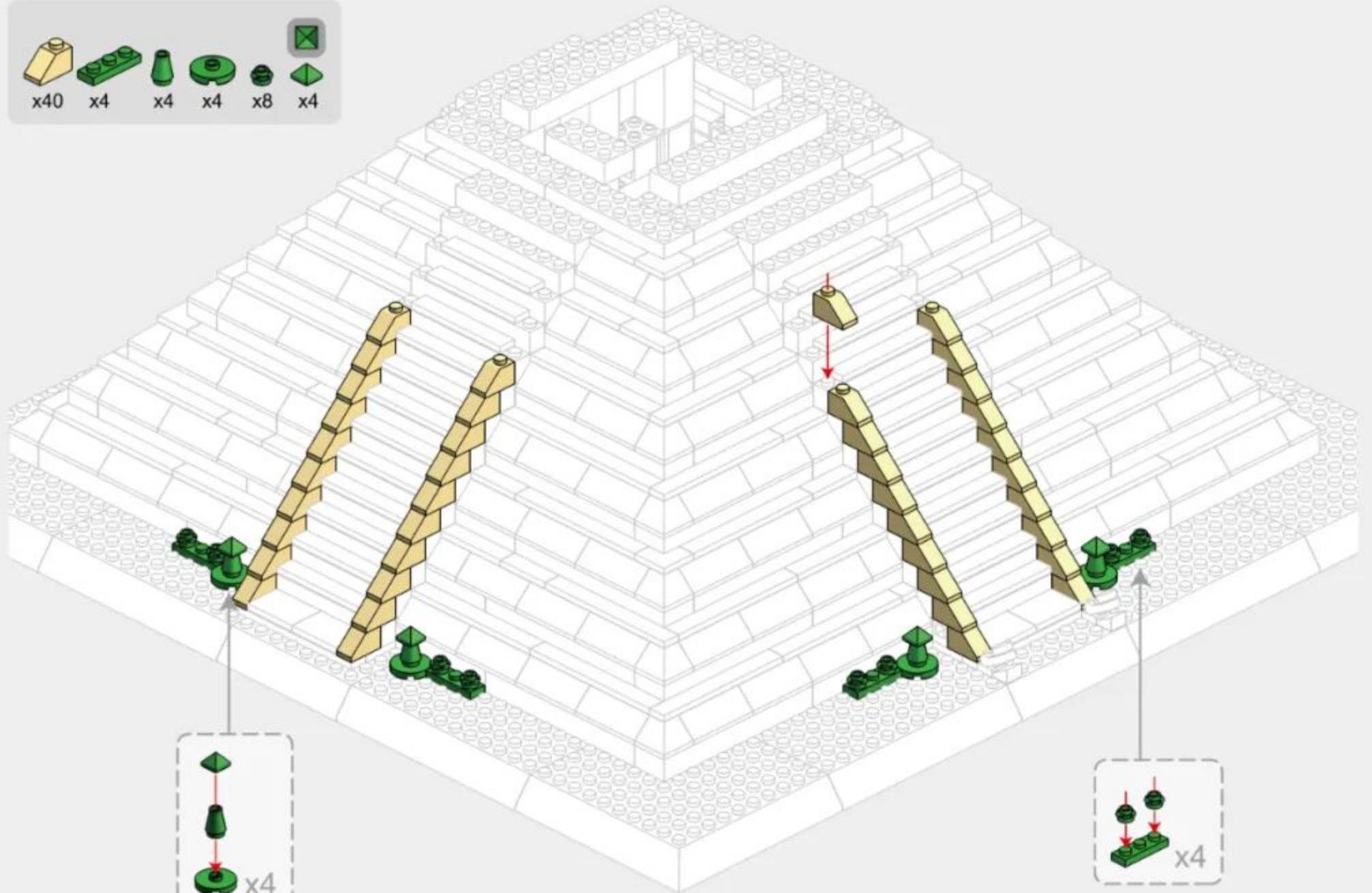
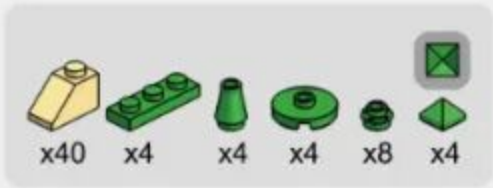


226PCS

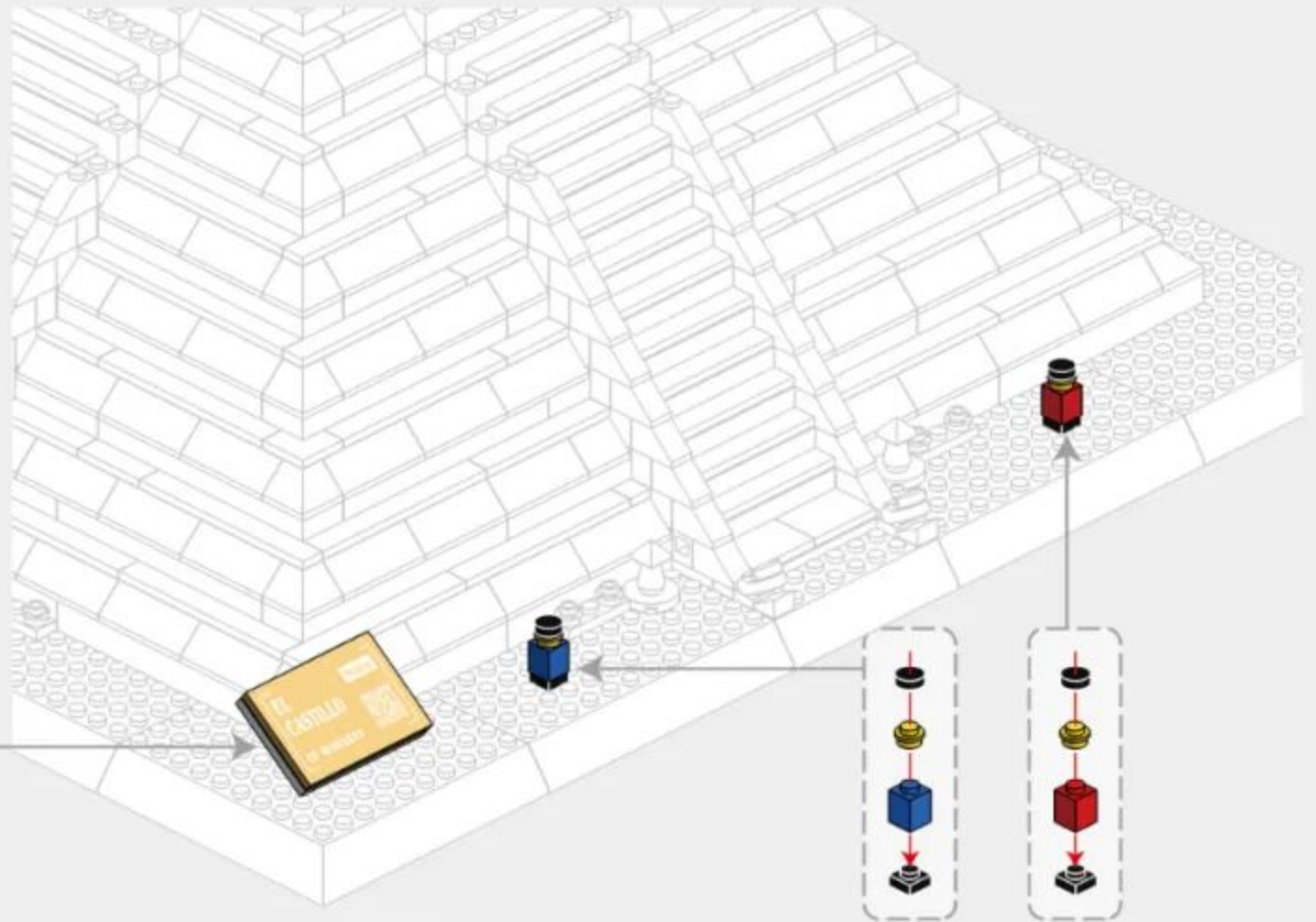
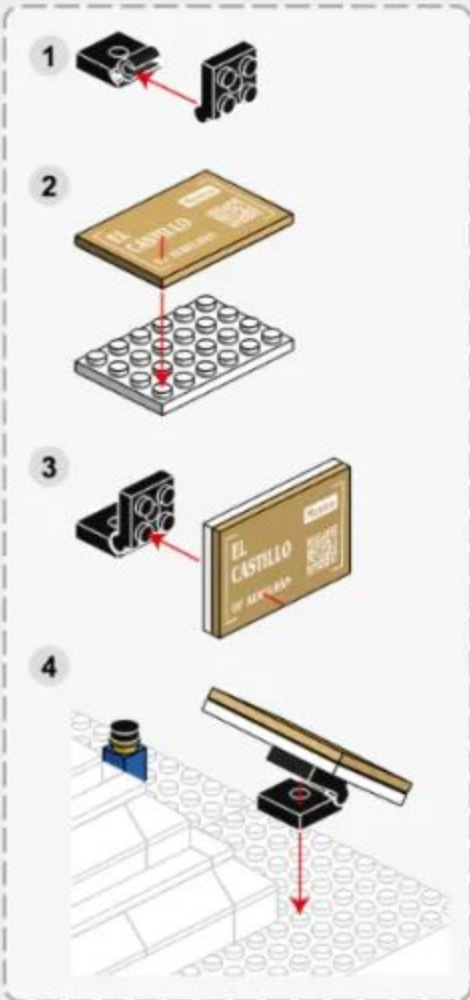
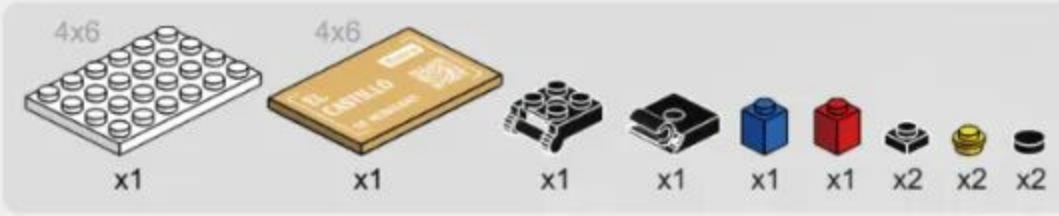


91

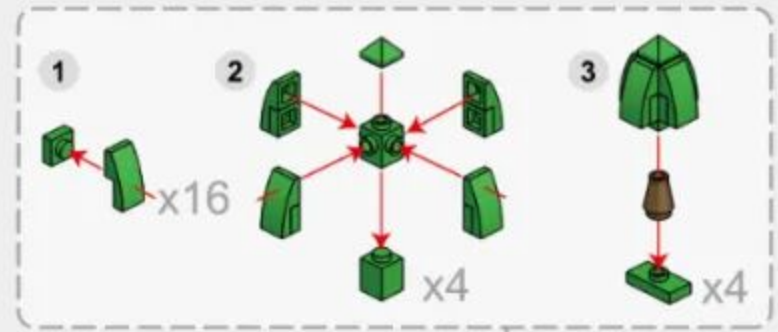
5-1



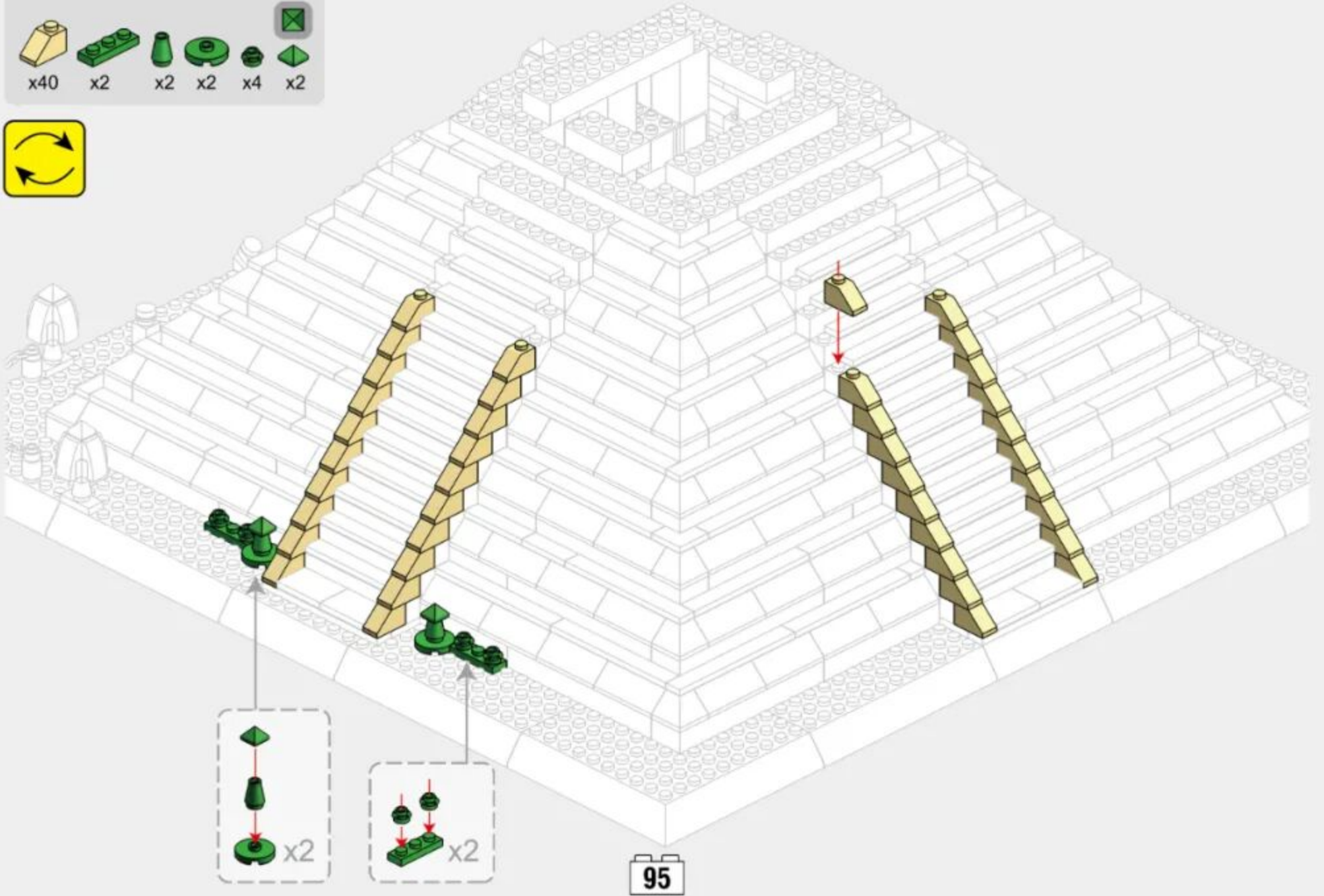
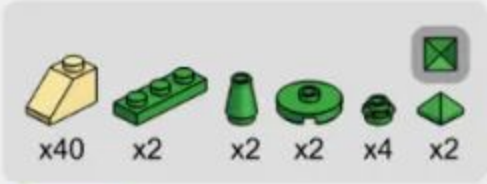
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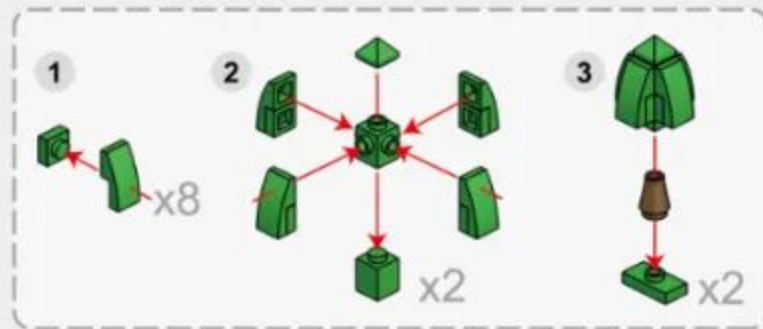
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5-4

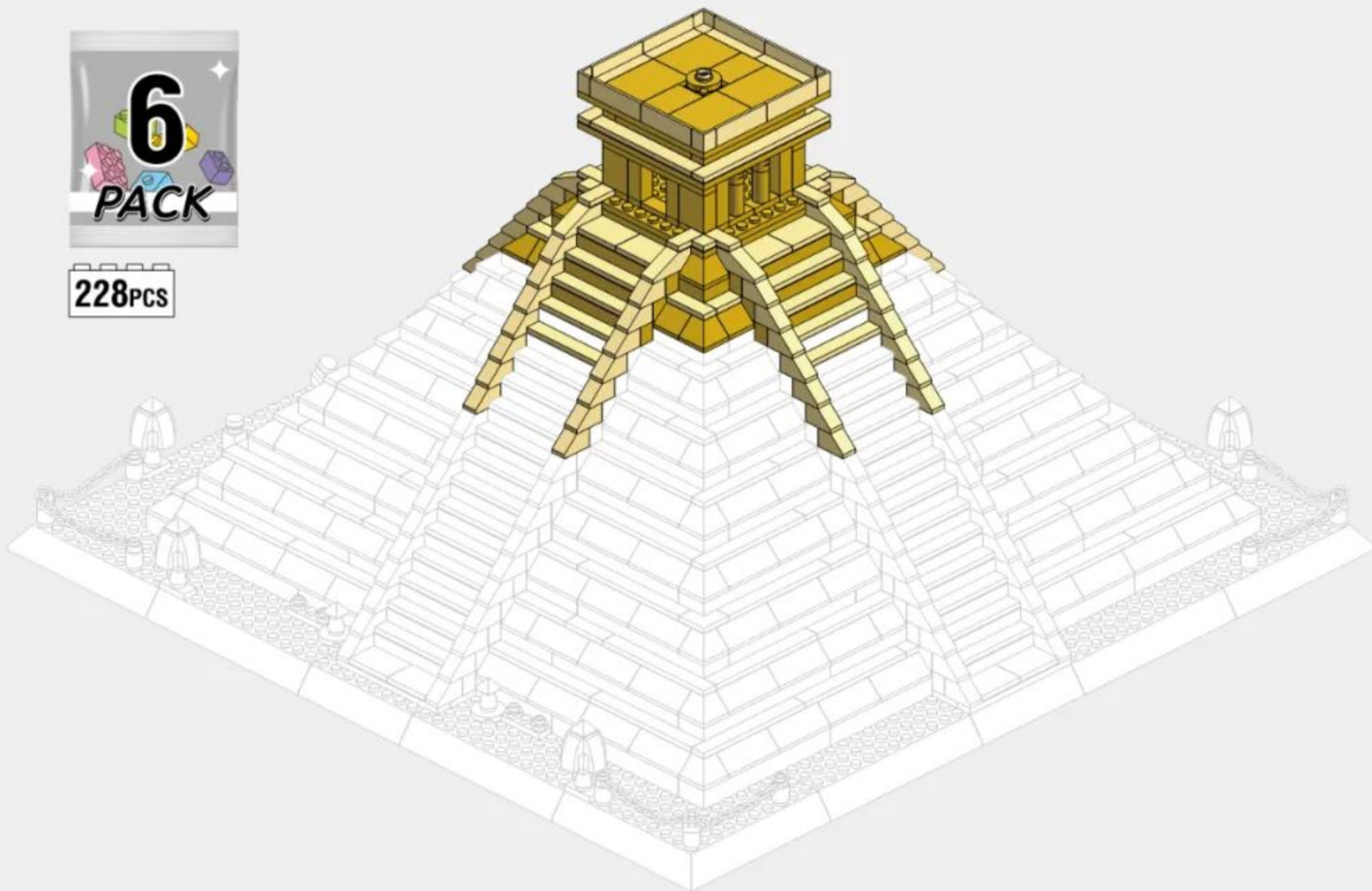


5-5



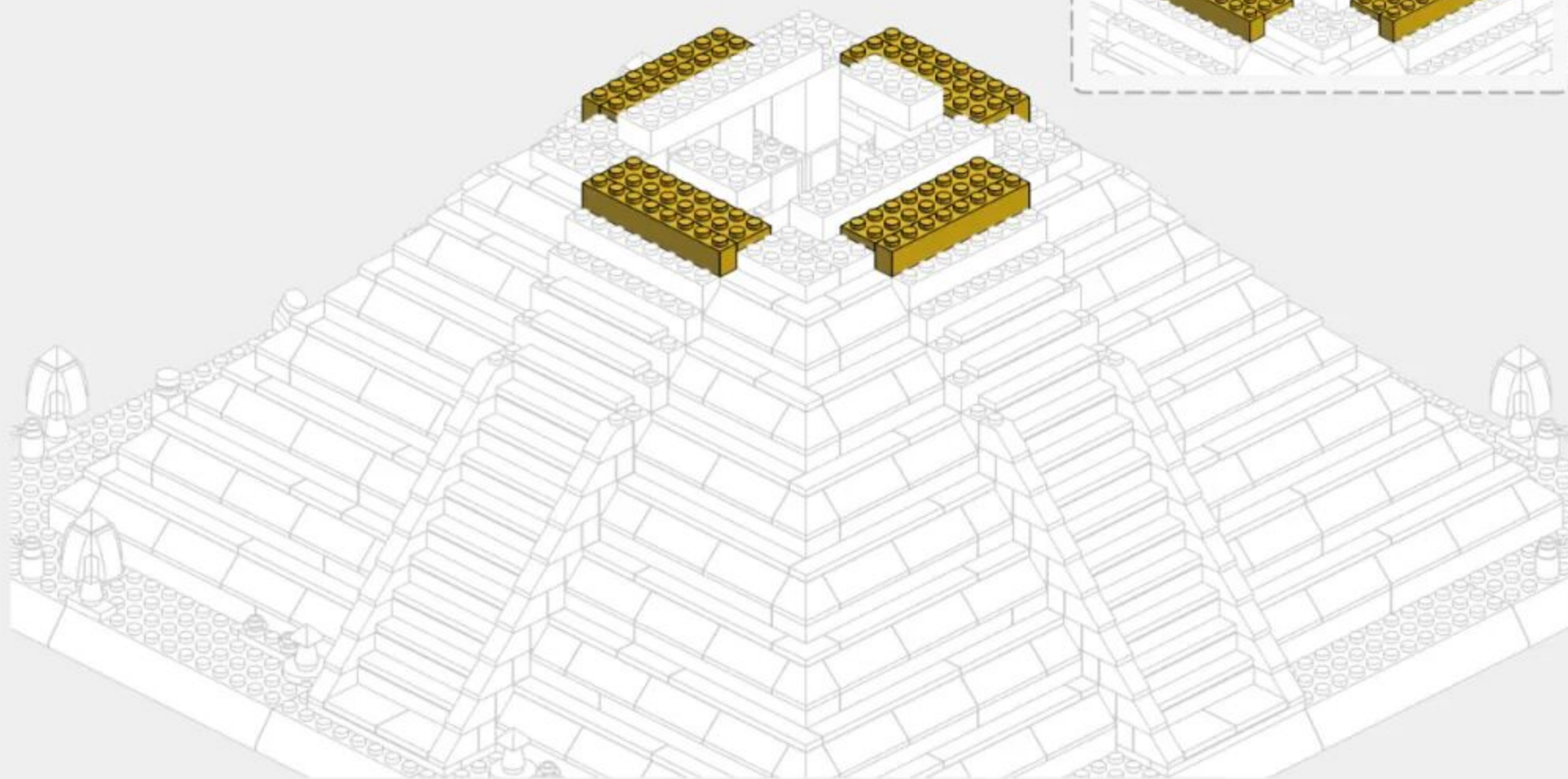
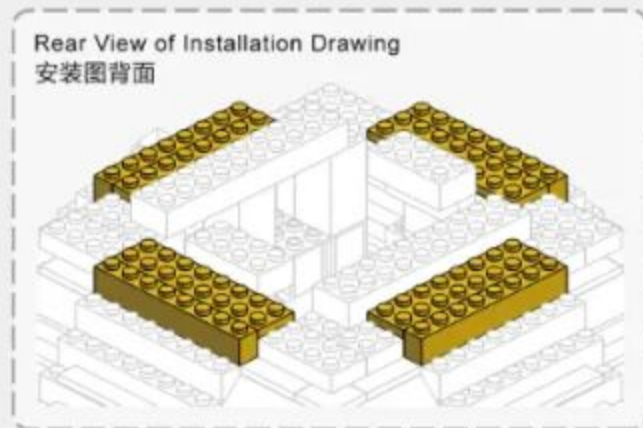
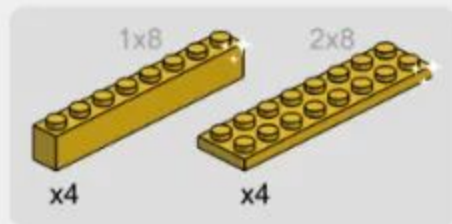


228PCS

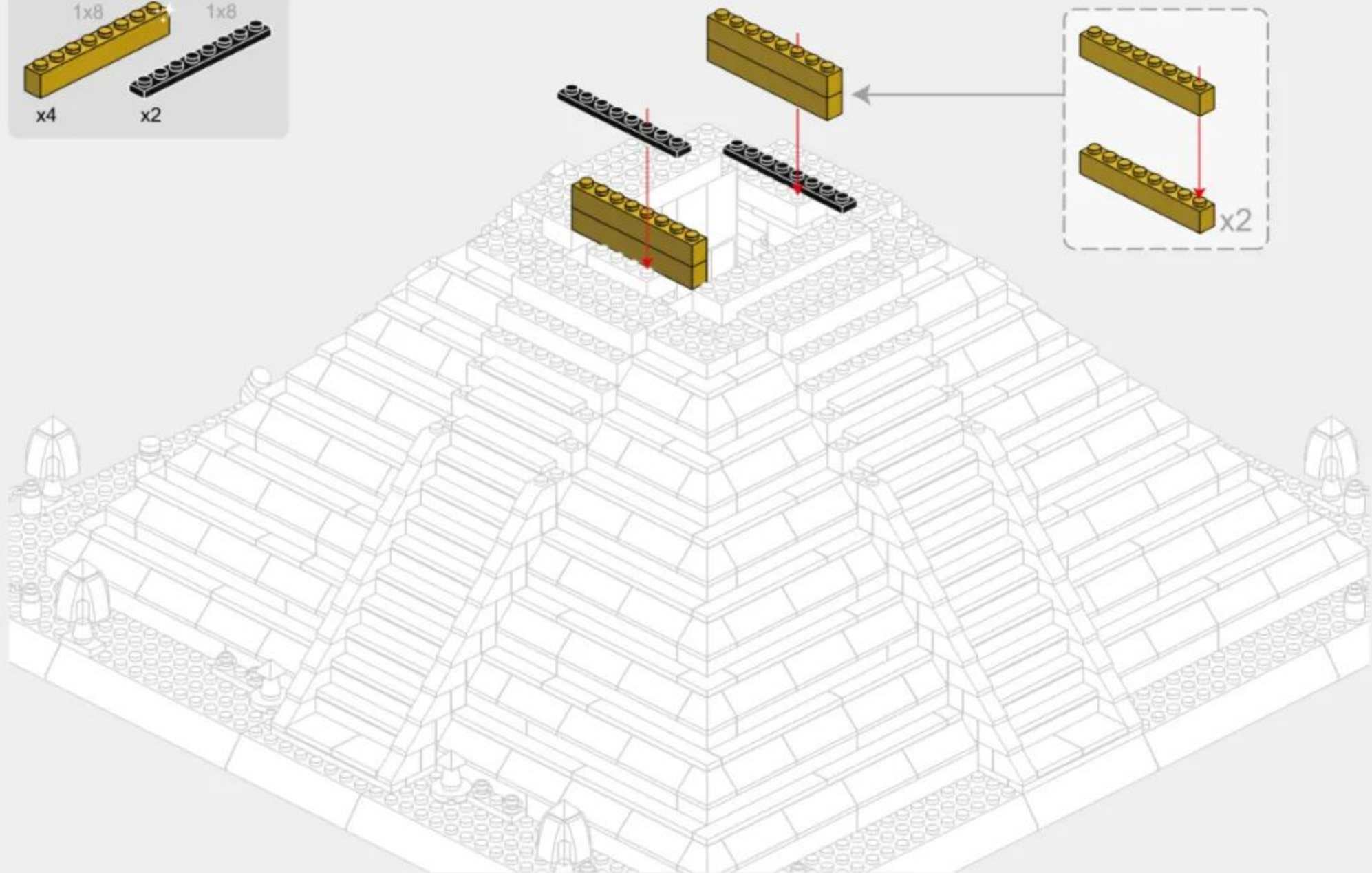
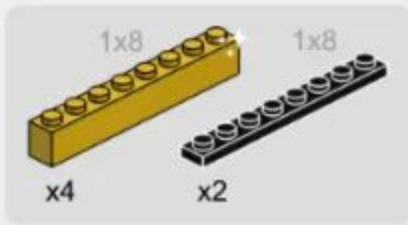


97

6-1

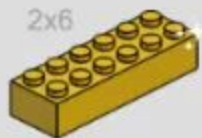


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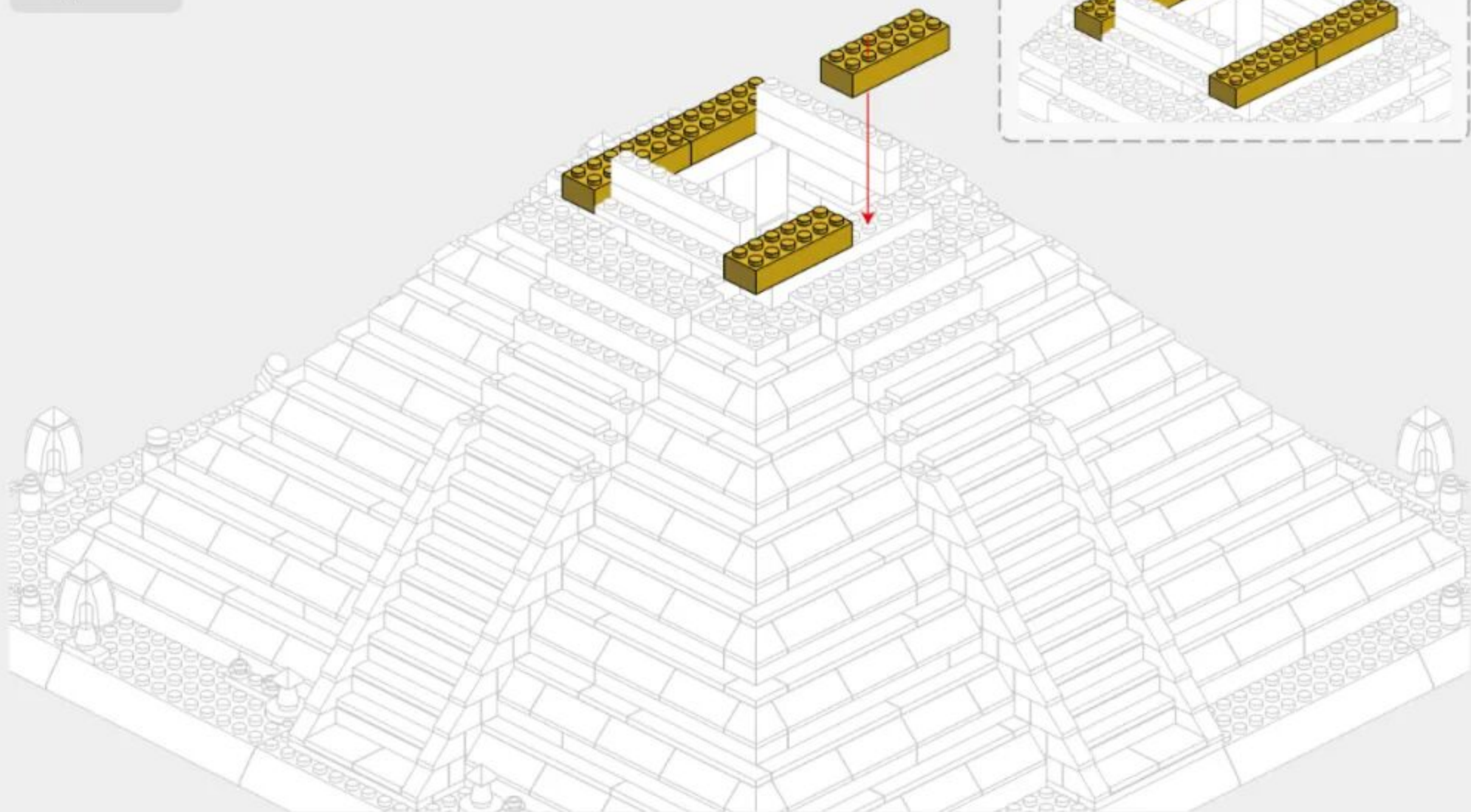
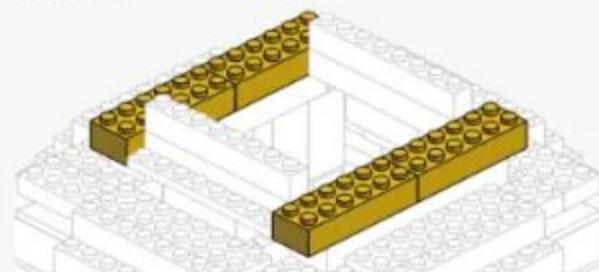
6-3

2x6



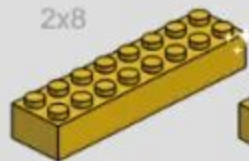
x4

Rear View of Installation Drawing  
安装图背面



6-4

2x8



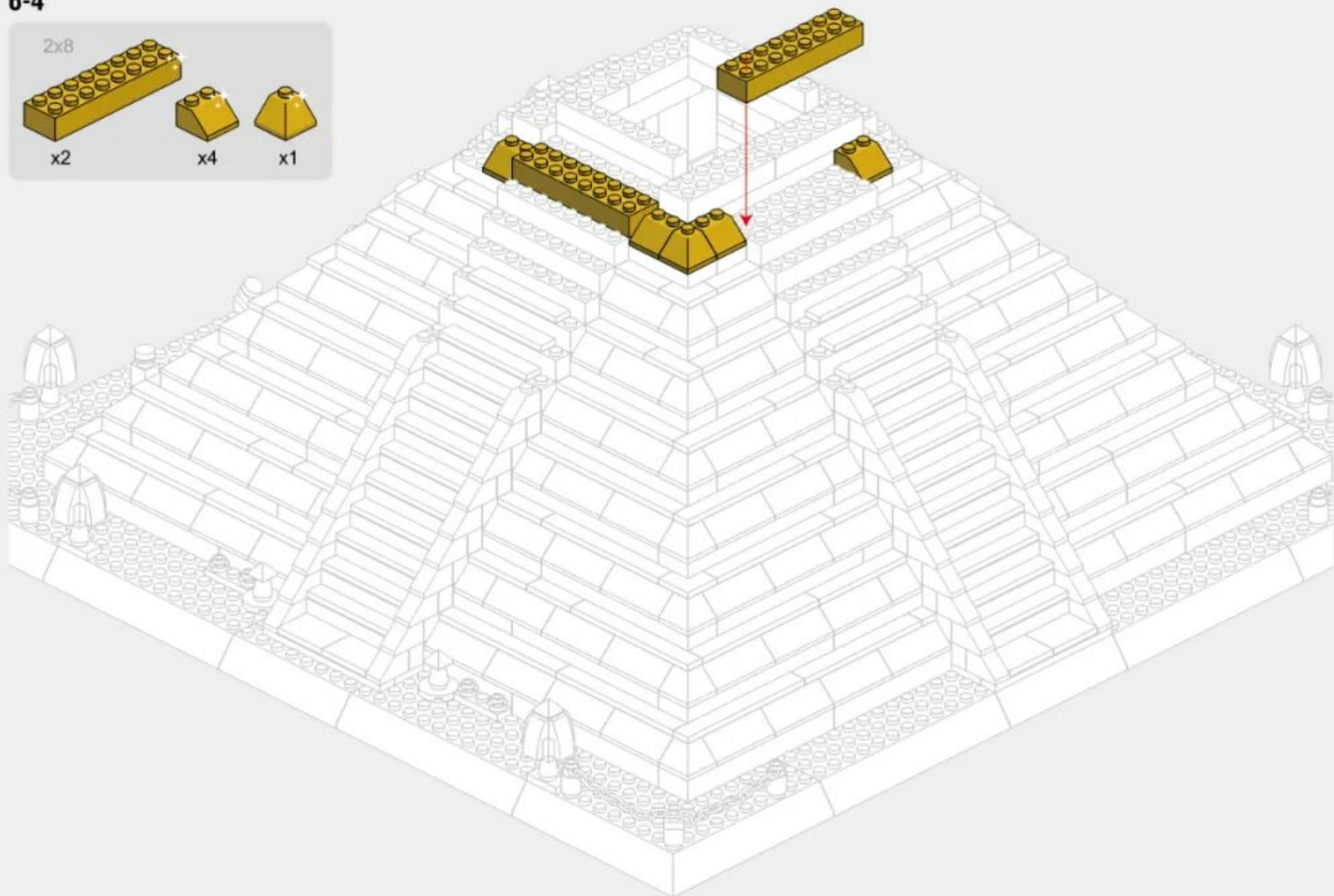
x2



x4

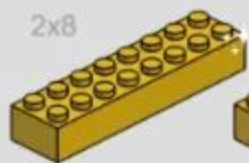


x1



6-5

2x8



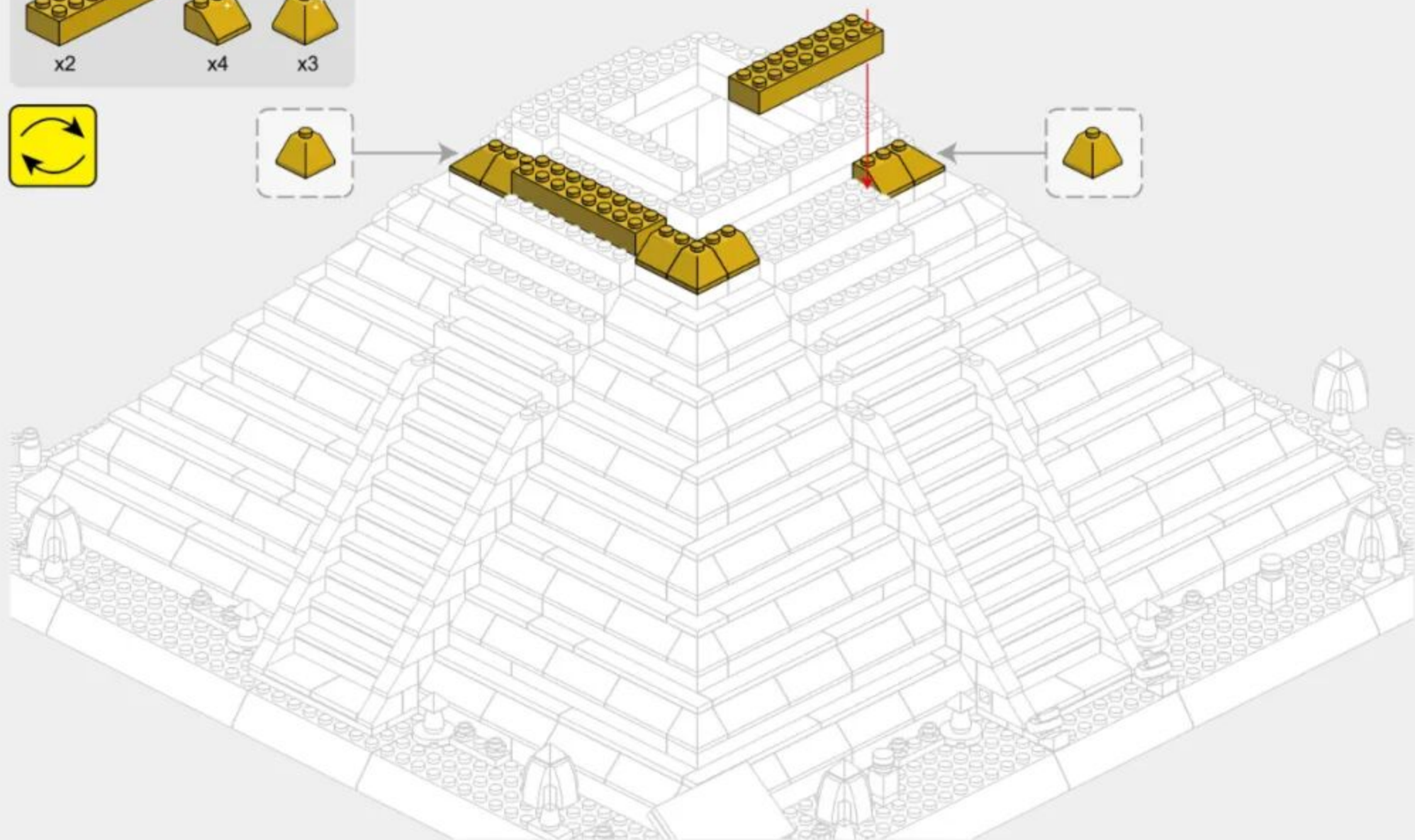
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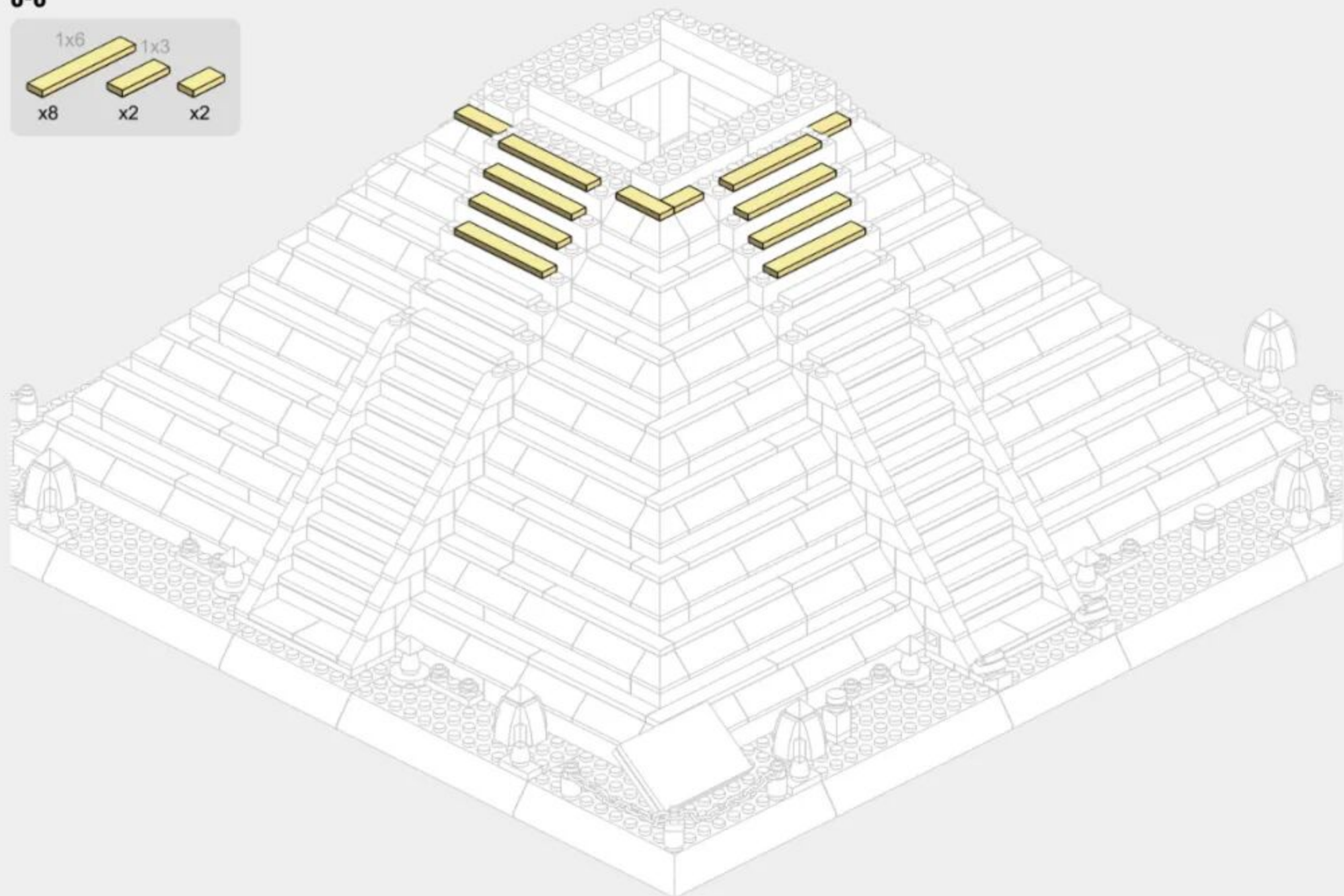
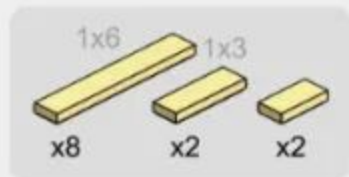
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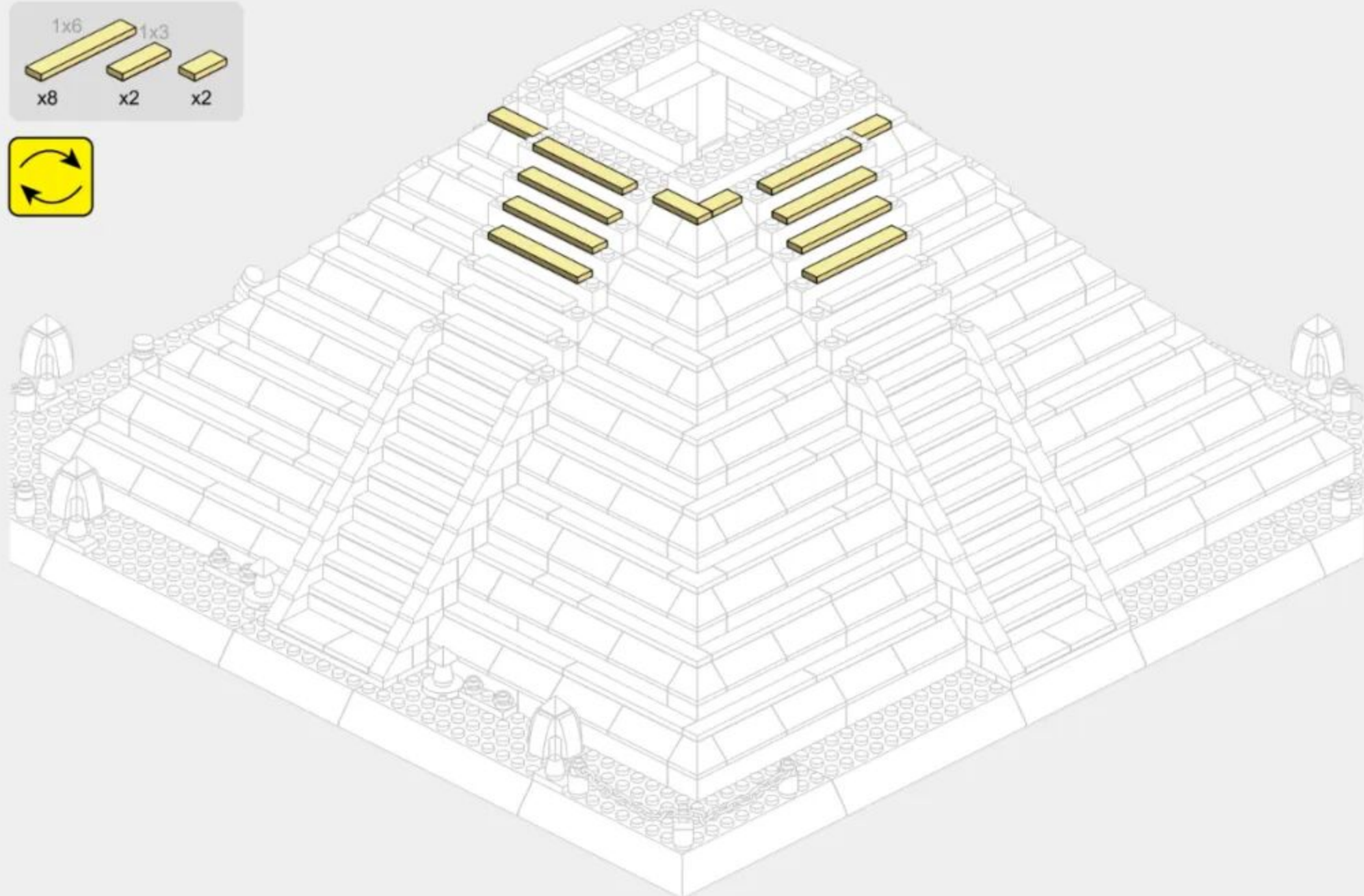
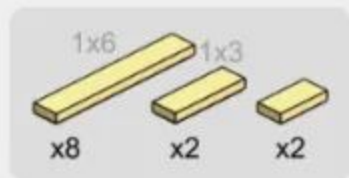
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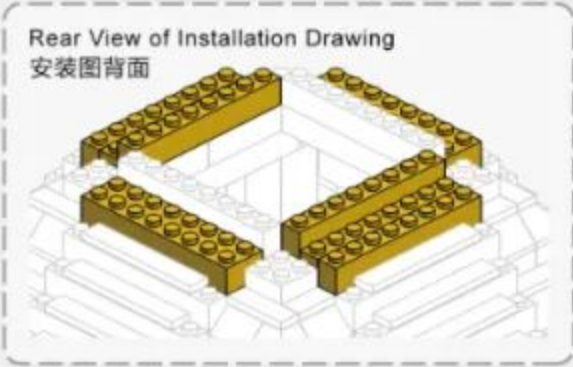
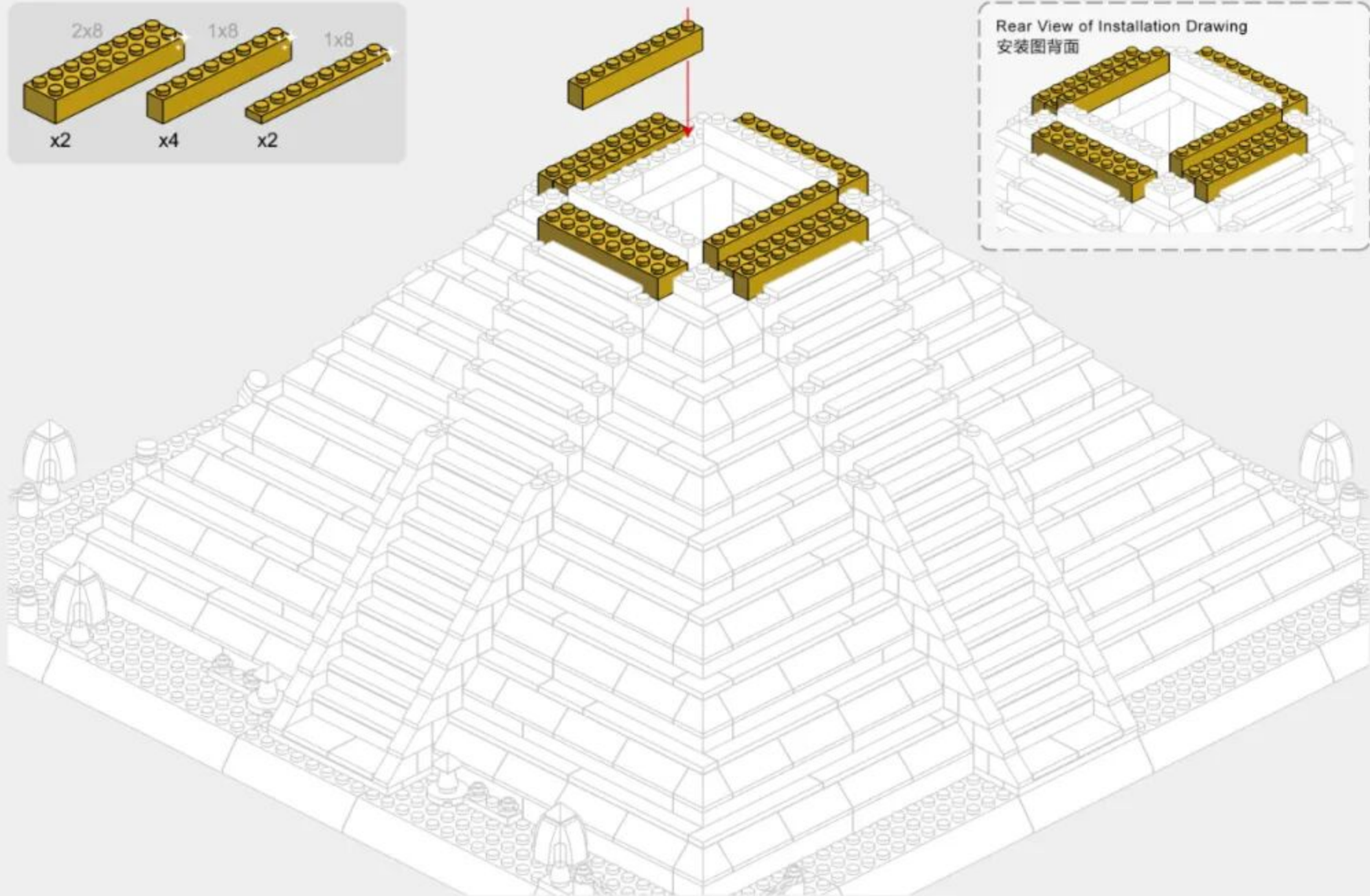
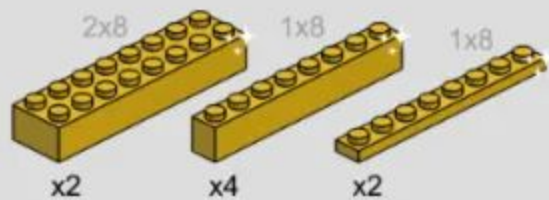
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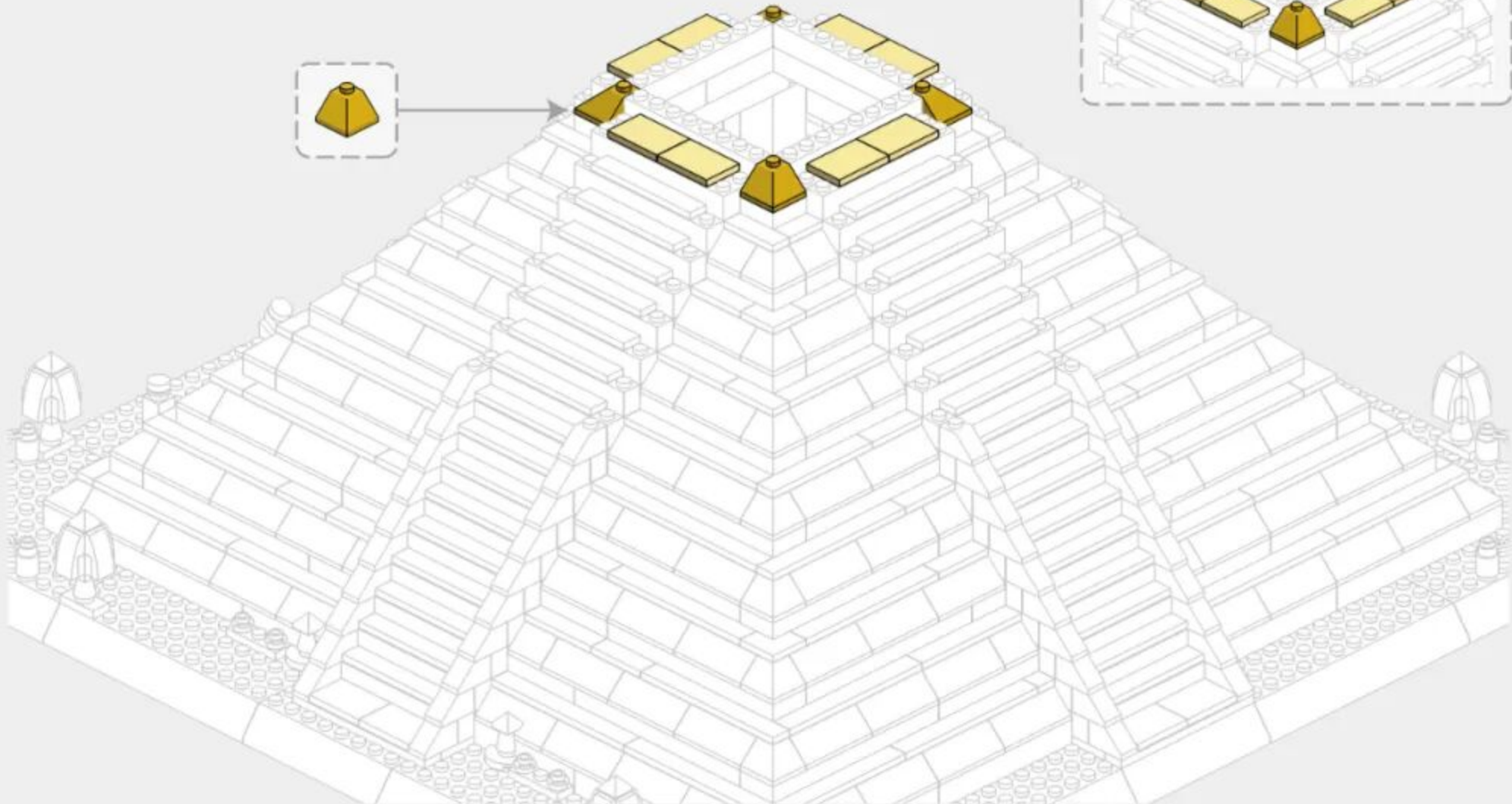
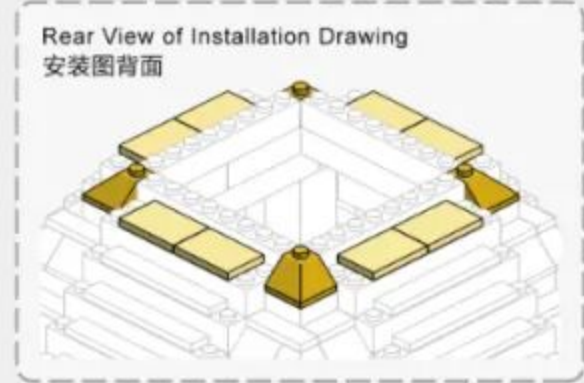
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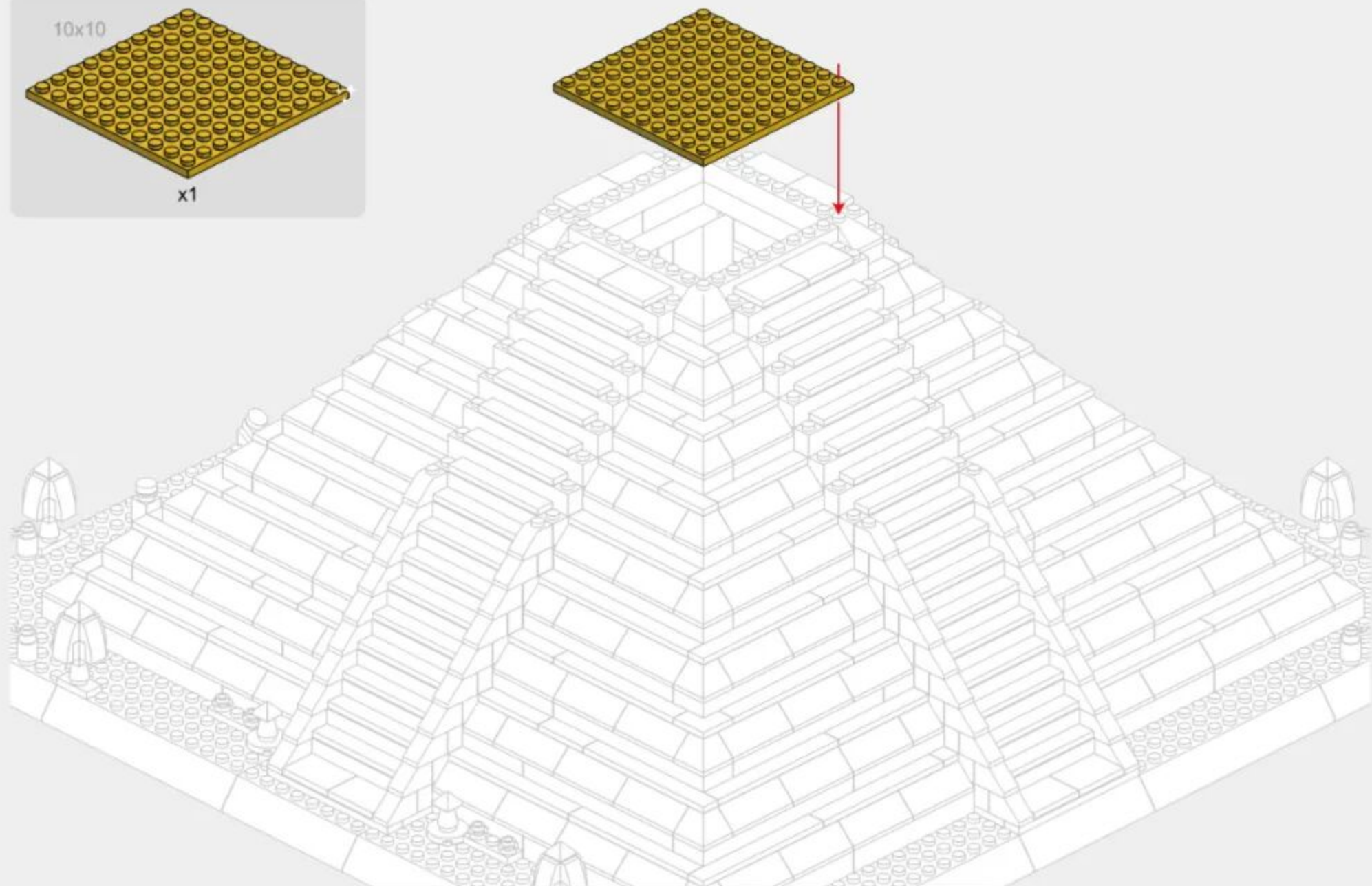
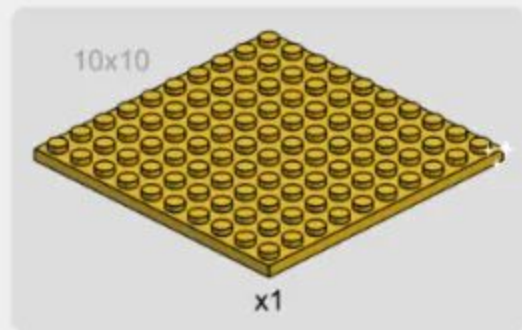
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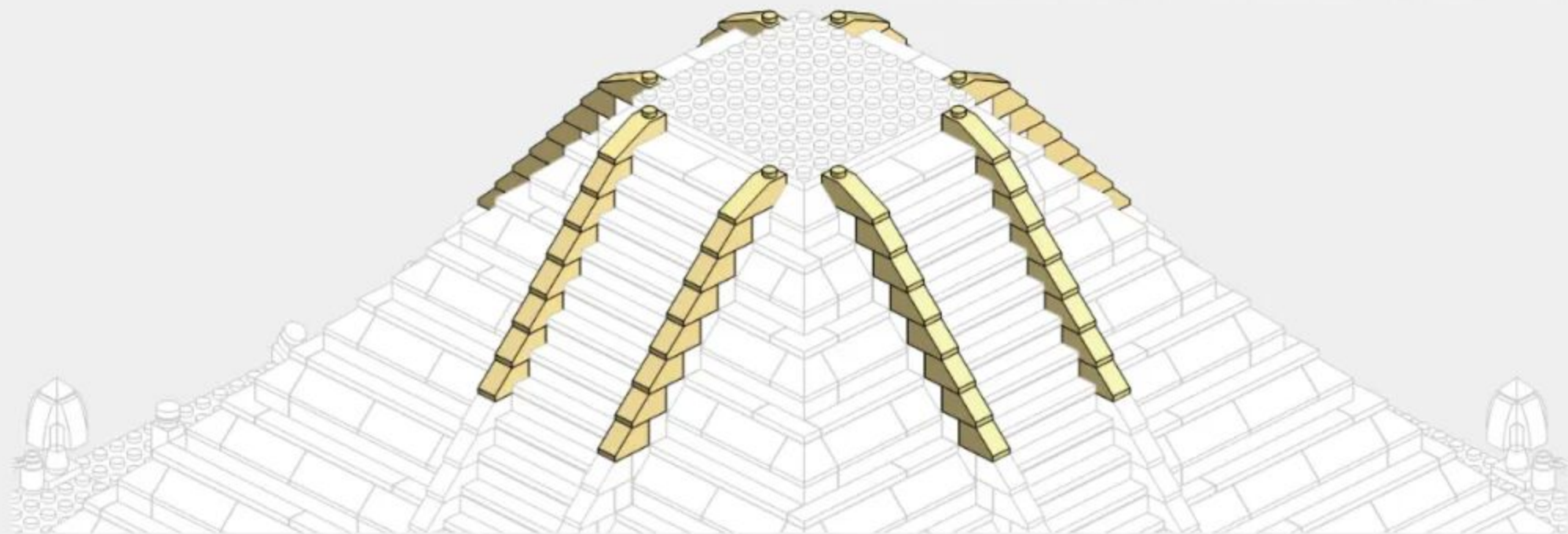
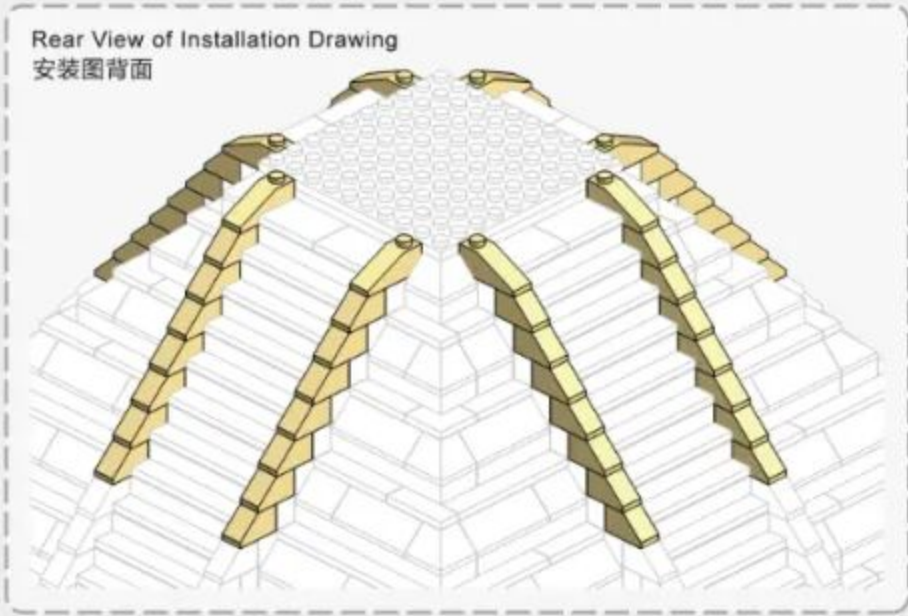
6-9



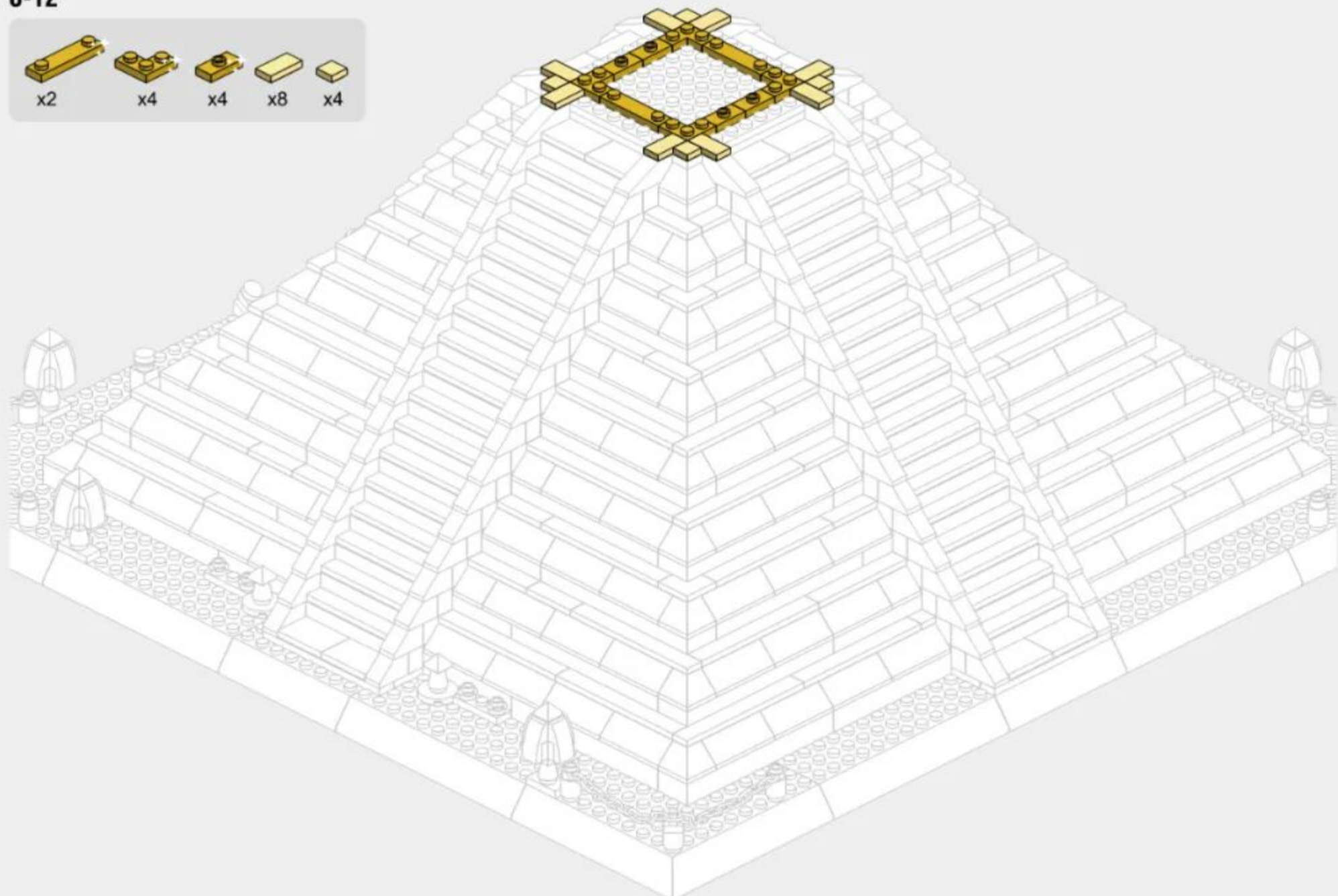
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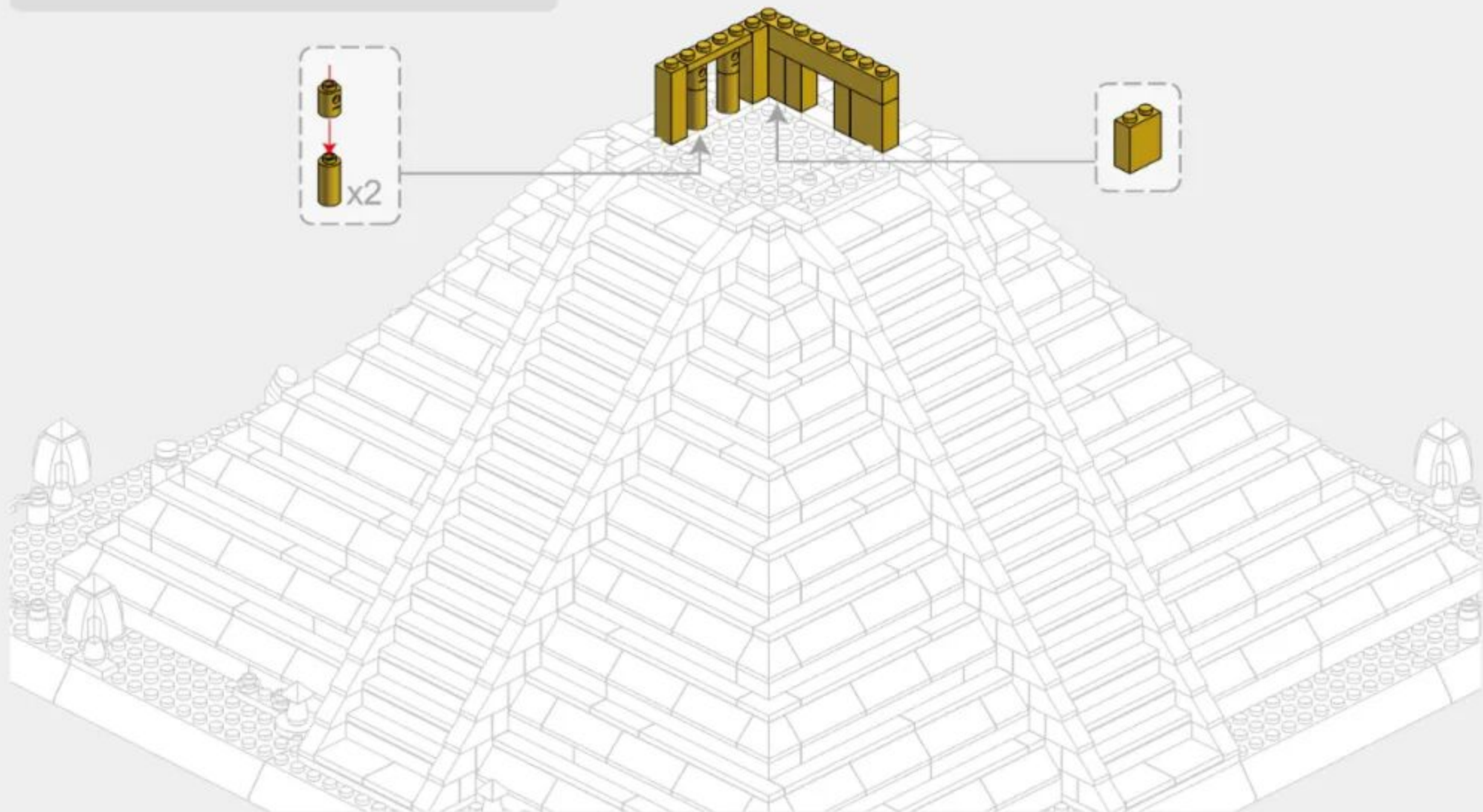
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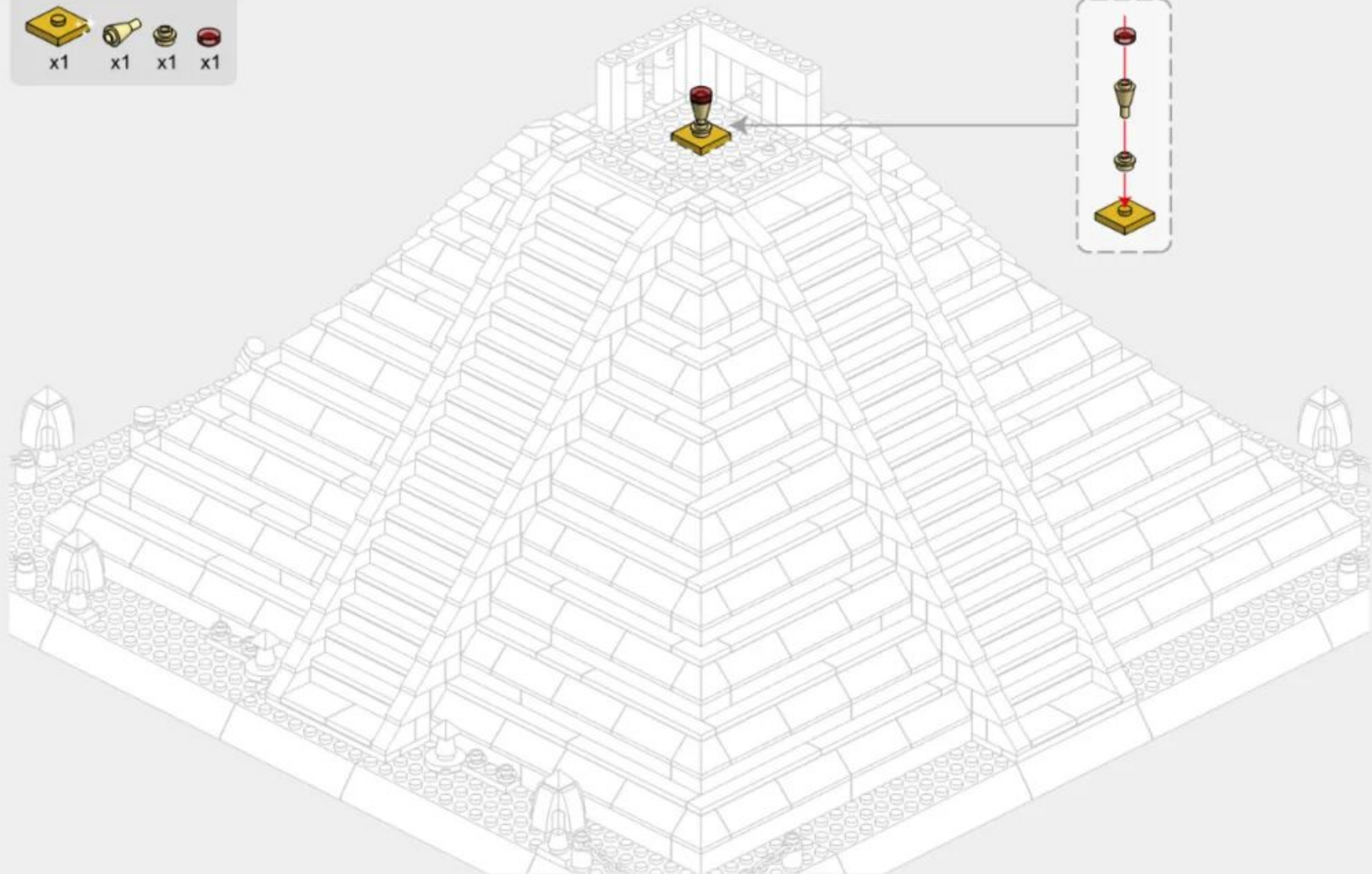
6-12



6-13



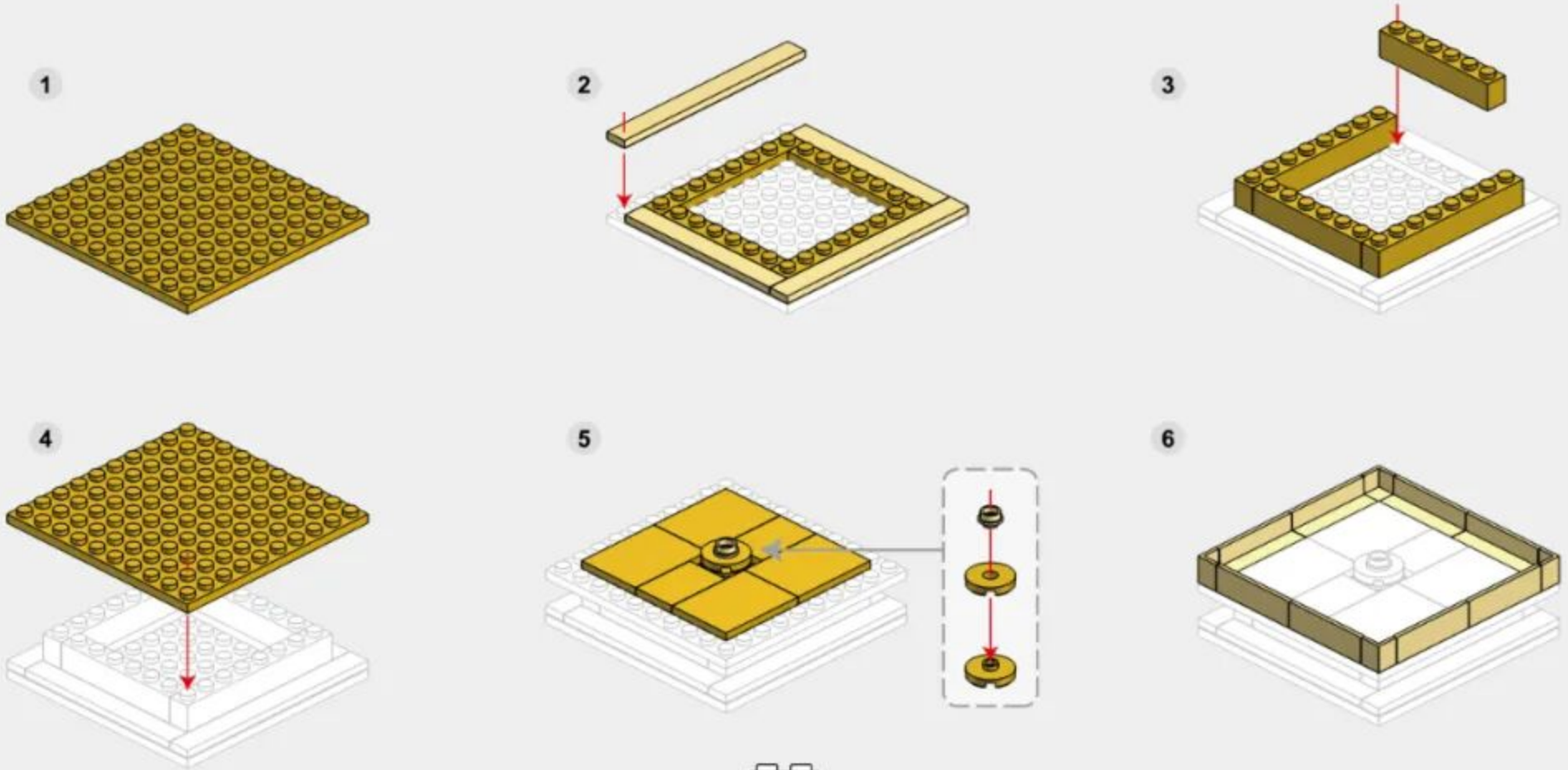
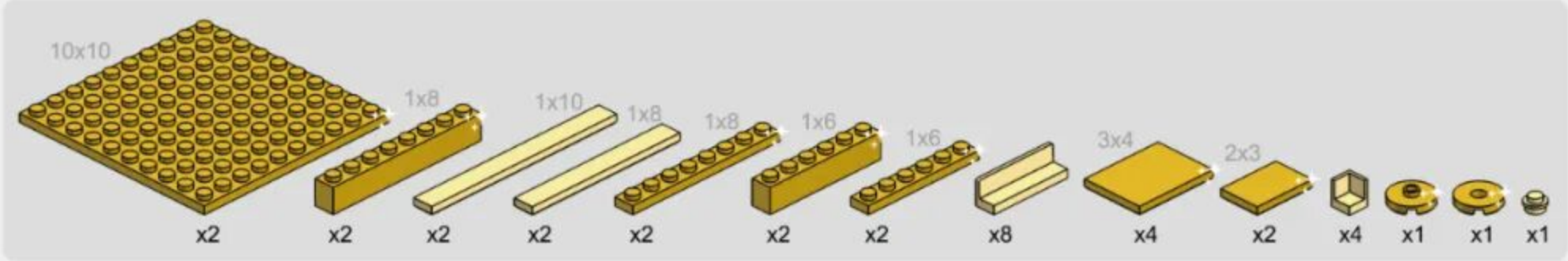
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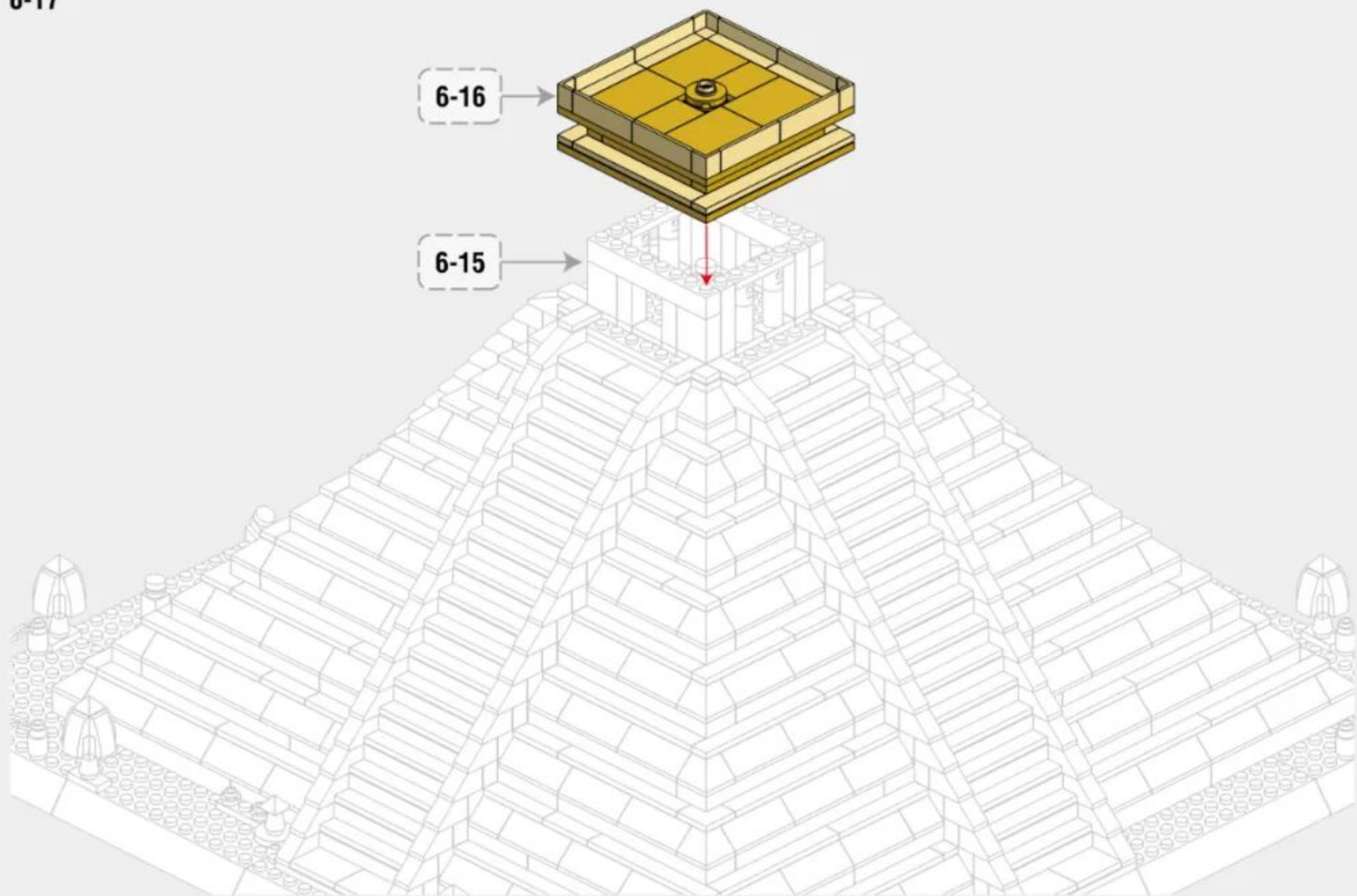
6-15



6-16



6-17





# ARCHITECTURE

The World's great architecture

Shaping Skills   Imagination & Curiosity   Mathematical   Self Discovery & Perception   Parent-Child Interaction   Problem Solving   Creativity



**6224 英国伦敦白金汉宫**  
BUCKINGHAM PALACE-LONDON,ENGLAND



**5225 意大利罗马斗兽场**  
COLOSSEUM-ROME,ITALY



**5226 日本东京帝国饭店**  
IMPERIAL HOTEL-TOKYO,JAPAN



**6211 德国柏林勃兰登堡门**  
BRANDENBURG GATE-BERLIN,GERMANY



**6222 中国甘肃长城-嘉峪关**  
JIAYU PASS-GANSU,CHINA



**6212 日本京都清水寺仁王门**  
NIOMON GATE OF KIYOMIZU-DERA-KYOTO,JAPAN



**6214 中国武汉黄鹤楼**  
YELLOW CRANE TOWER-WUHAN,CHINA



**6215 英国伦敦眼**  
LONDON EYE-LONDON,ENGLAND



**6221 中国北京故宫-太和殿**  
HALL OF SUPREME HARMONY-BEIJING,CHINA



**6213 俄罗斯莫斯科瓦西里大教堂**  
SAINT BASIL'S CATHEDRAL-MOSCOW,RUSSIA



**6220 沙特阿拉伯麦加大清真寺**  
GREAT MOSQUE OF MECCA,SAUDI ARABIA



**6219 美国纽约联合国大厦**  
UNITED NATIONS HEADQUARTERS-NEW YORK,AMERICA



**4214 美国华盛顿白宫**  
WHITE HOUSE-WASHINGTON D.C.,AMERICA



**4212 意大利罗马许愿池**  
TREVI FOUNTAIN-ROME,ITALY



**4213 法国巴黎卢浮宫**  
MUSÉE DU LOUVRE-PARIS,FRANCE



**4218 新加坡-鱼尾狮**  
MERLION,SINGAPORE



**4210 埃及开罗吉萨金字塔**  
GREAT PYRAMID OF GIZA-CAIRO,EGYPT



**4219 英国伦敦双子塔桥**  
TOWER BRIDGE-LONDON,ENGLAND



**4216 美国华盛顿林肯纪念堂**  
LINCOLN MEMORIAL-WASHINGTON D.C.,AMERICA



**4217 新加坡-金沙酒店**  
MARINA BAY SANDS,SINGAPORE



**6214 中国武汉黄鹤楼**  
YELLOW CRANE TOWER-WUHAN,CHINA



**4221 加拿大渥太华国会山庄**  
PARLIAMENT BUILDINGS-OTTAWA,CANADA



**4211 英国伦敦伊丽莎白塔**  
ELIZABETH TOWER-ENGLAND



**4220 美国纽约熨斗大厦**  
FLATIRON BUILDING-NEW YORK,AMERICA



**5227 美国纽约自由女神像**  
STATUE OF LIBERTY-NEW YORK,AMERICA



**4215 加拿大多伦多电视塔**  
THE CN TOWER-CANADA



**4222 阿联酋迪拜哈利法塔**  
THE BURJ KHALIFA TOWER-DUBAI,UAE



**5224 中国上海东方明珠广播电视塔**  
ORIENTAL PEARL TOWER-SHANGHAI,CHINA



**5212 美国纽约帝国大厦**  
EMPIRE STATE BUILDING-NEW YORK,AMERICA



**5213 马来西亚吉隆坡石油双塔**  
PETRONAS TWIN TOWERS-KUALA LUMPUR,MALAYSIA



**5214 意大利托斯卡纳比萨斜塔**  
LEANING TOWER OF PISA-TUSCANY,ITALY



**5216 英国伦敦伊丽莎白塔**  
ELIZABETH TOWER-LONDON,ENGLAND



**5219 俄罗斯莫斯科克里姆林宫钟楼**  
SPASSKAYA TOWER-MOSCOW,RUSSIA



**5220 阿联酋迪拜卓美亚帆船酒店**  
BURJ AL ARAB HOTEL-DUBAI,UAE



**5217 法国巴黎埃菲尔铁塔**  
EIFFEL TOWER-PARIS,FRANCE



**5221 中国台北101大楼**  
TAIPEI 101-TAIPEI,CHINA



**6223 中国武汉长江大桥**  
WUHAN YANGTZE RIVER BRIDGE



**5210 法国巴黎圣母院大教堂**  
CATHÉDRALE NOTRE DAME DE PARIS-PARIS, FRANCE



**5223 法国巴黎凯旋门**  
ARC DE TRIOMPHE-PARIS, FRANCE



**5211 印度阿格拉泰姬陵**  
TAJ MAHAL-AGRA, INDIA



**5215 英国伦敦双子塔桥**  
TOWER BRIDGE-LONDON, ENGLAND



**5222 中国北京天坛祈年殿**  
HALL OF PRAYER FOR GOOD HARVESTS-BEIJING, CHINA



**6210 美国旧金山金门大桥**  
GOLDEN GATE BRIDGE-SAN FRANCISCO, AMERICA



**6216 中国北京万里长城（八达岭）**  
THE GREAT WALL-BEIJING, CHINA



**5218 中国北京天安门**  
TIAN'ANMEN TOWER-BEIJING, CHINA



**6217 中国西藏布达拉宫**  
POTALA PALACE-TIBET, CHINA



**6218 芬兰罗瓦涅米圣诞老人办公室**  
SANTA CLAUS OFFICE-ROVANIEMI, FINLAND



**6225 墨西哥库库尔坎玛雅金字塔**  
EL CASTILLO-KUKULKAN, MEXICO

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