

FALLINGWATER

Casa de la cascada

Pennsylvania, America

The world's great architecture



6+ / 5232 / 1220 PCS
Suitable Age / Product Number / Parts Total



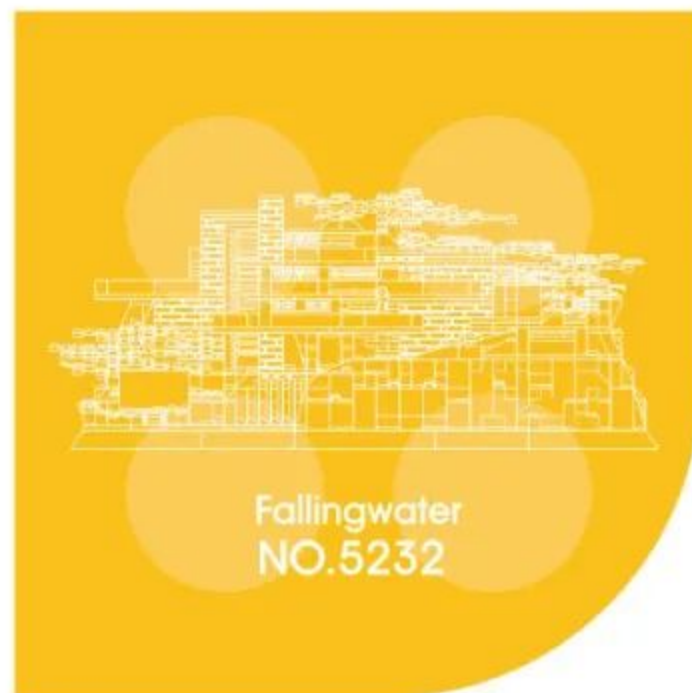
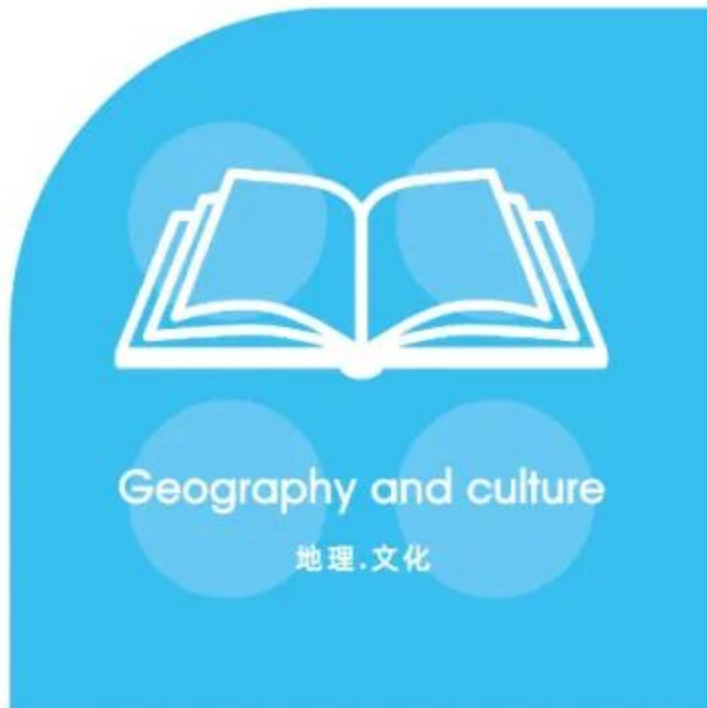
Architecture

It will be a city...

这将构成一座城市...

ABOUT THE PRODUCT

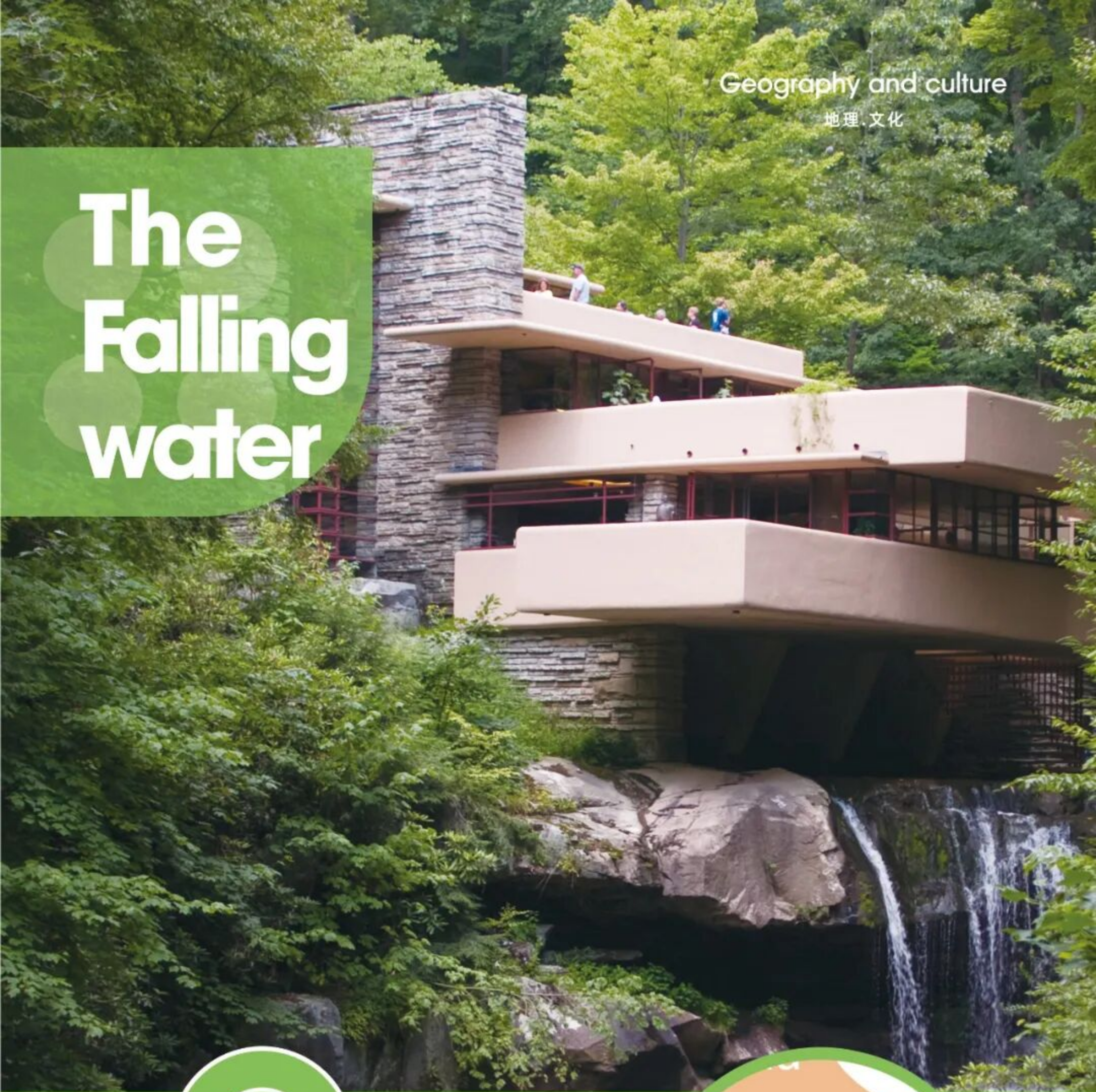
关于产品



ARCHITECTURE

WANGE The world's great architect since 1991

The Falling water



Fallingwater is a house designed by the architect Frank Lloyd Wright in 1939 in southwest Pennsylvania's Laurel Highlands, about 90 minutes from downtown Pittsburgh.

The Falling water



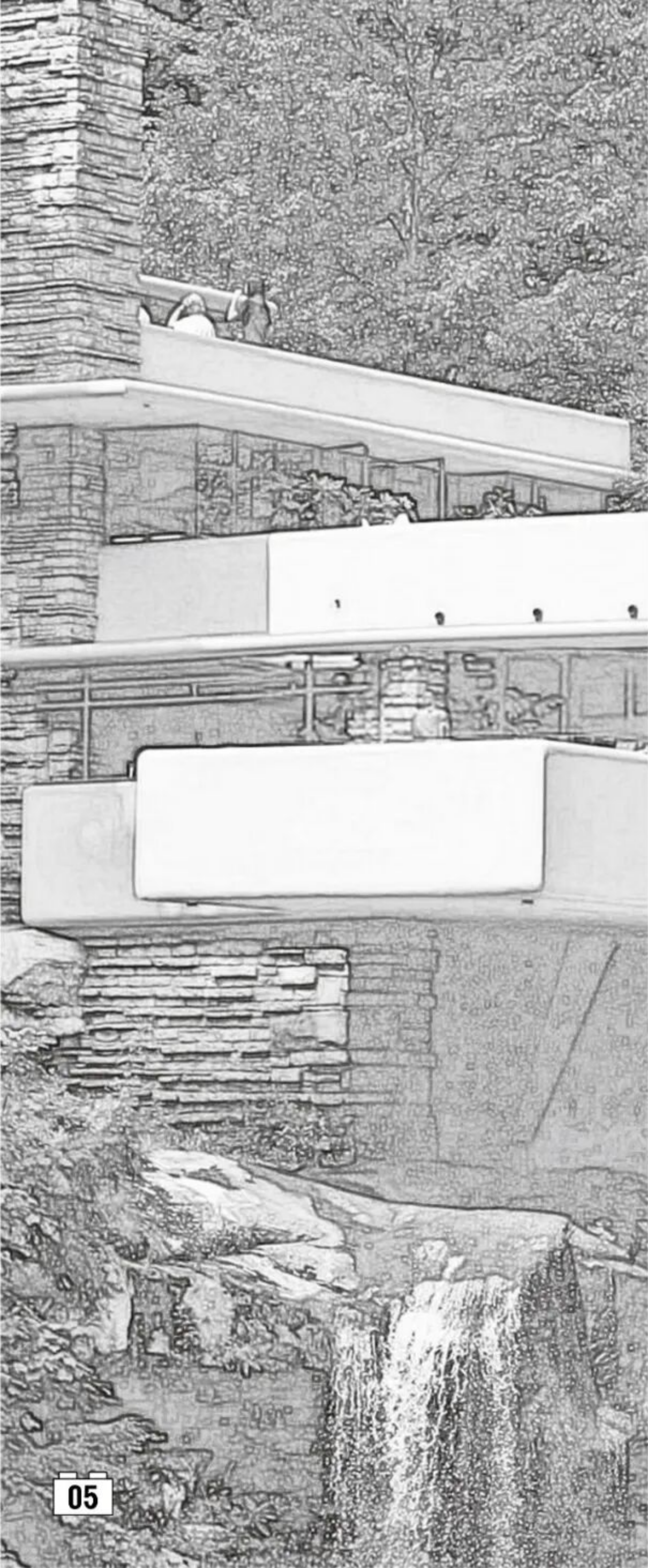
Geography and culture

地理·文化



The house and seven other Wright constructions were inscribed as a World Heritage Site under the title "The 20th-Century Architecture of Frank Lloyd Wright" in July 2019.





Casa de la cascada

Fallingwater ■

American

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

Inspiration and design

■ 灵感与设计



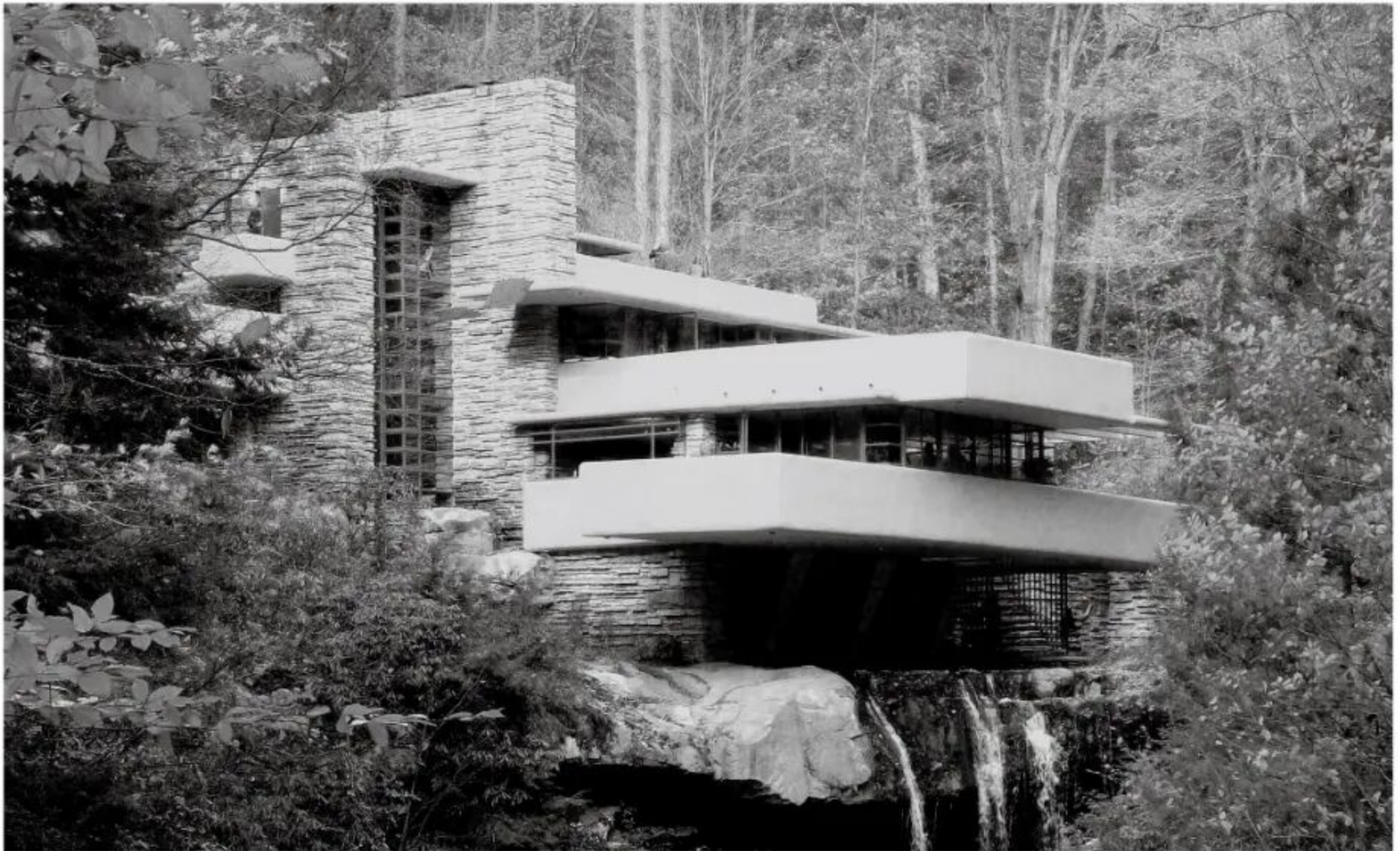
Fallingwater is a house designed by the architect Frank Lloyd Wright in 1939 in southwest Pennsylvania's Laurel Highlands, about 90 minutes from downtown Pittsburgh. The house was built partly over a waterfall on Bear Run in the Mill Run section of Stewart Township, Fayette County, Pennsylvania, located in the Laurel Highlands of the Allegheny Mountains. The house was designed as a weekend home for Liliane and Edgar J. Kaufmann, the owner of Kaufmann's Department Store.

After its completion, Time called Fallingwater Wright's "most beautiful job" and it is listed among Smithsonian's "Life List of 28 Places to See Before You Die." The house was designated a National Historic Landmark in 1966. In 1991, members of the American Institute of Architects named Fallingwater the "best all-time work of American architecture" and in 2007, it was ranked 29th on the list of America's Favorite Architecture according to the AIA.



Descripción

El terreno en el que se ubica la casa tiene abundantes afloramientos de roca que sirvieron de cimentación del edificio. La zona tiene un relieve ligeramente accidentado y un bosque de árboles caducifolios que se mantiene prácticamente virgen, ya que solo un camino peatonal conduce a la casa. Aparece como protagonista el arroyo Bear Run, en el cual está la cascada de la casa. Del terreno del lugar se extrajeron rocas que conforman la mampostería de la parte baja de las fachadas del edificio, colocadas en ese lugar para crear una progresión desde la roca natural del suelo hasta el hormigón de las partes altas. El resto de las fachadas es de color crema, color contrastante con el entorno verde o marrón (según la estación).



Interior de la casa

En el interior de la Casa de la Cascada encontramos habitaciones singulares por su distribución, ubicación y acabados. Al entrar en la casa por la puerta principal, situada en la cara norte, accedemos a una pequeña habitación con función de recibidor ubicada bajo las escaleras que conducen a la segunda planta. Pasada dicha habitación se entra en la sala de estar, el habitáculo más grande de la casa desde el que se divisan unas vistas espléndidas del bosque que rodea la vivienda. Al entrar, frente por frente está el llamado "rincón de la música", cuya etimología se desconoce, a la derecha está la zona con sofás y detrás del "rincón de la música" está la "escalera del agua", llamada así porque baja a una pequeña plataforma que está junto al arroyo. Para bajar por esta es necesario abrir unas mamparas correderas de vidrio. Los escalones de la "escalera del agua" están colgados de unos cables en tracción unidos al primer forjado.

Design Points

结构难点

Angle calculation
角度的计算

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



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



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



Creation and thinking

创作·思考

Special parts

特殊零件的开发利用

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

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



WG1316
2高4孔墙砖



WG1326
小树枝



WG1336
矮1孔带圆柱



WG1344
方形通孔

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



features and functions

特点.功能

Main Color Matching

配色方案



Pantone 3435C



Pantone 7500C



Pantone 2312C



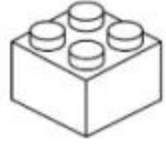
Pantone 187C



Pantone 2985C



Pantone 348C



Pantone 4625C



Pantone Cool Gray 6C



Color matching

Adopting 4 main colors, White, green, dark blue, Khaki and Red 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.

Fallingwater

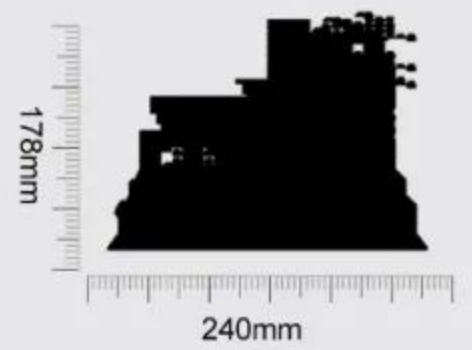
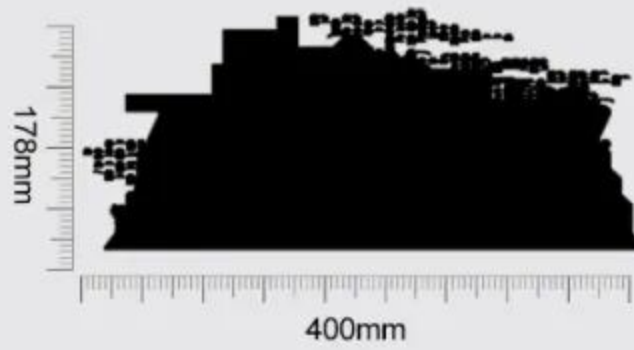
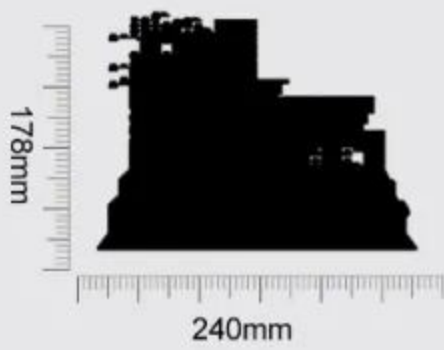
美国落水山庄



Left

Front

Back

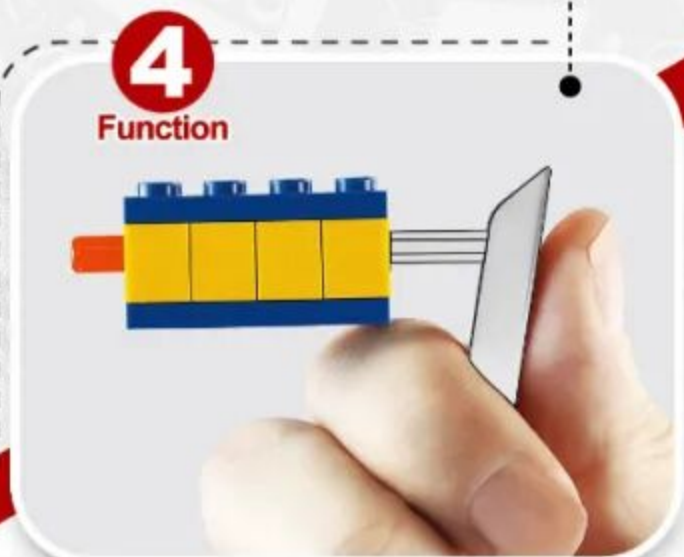
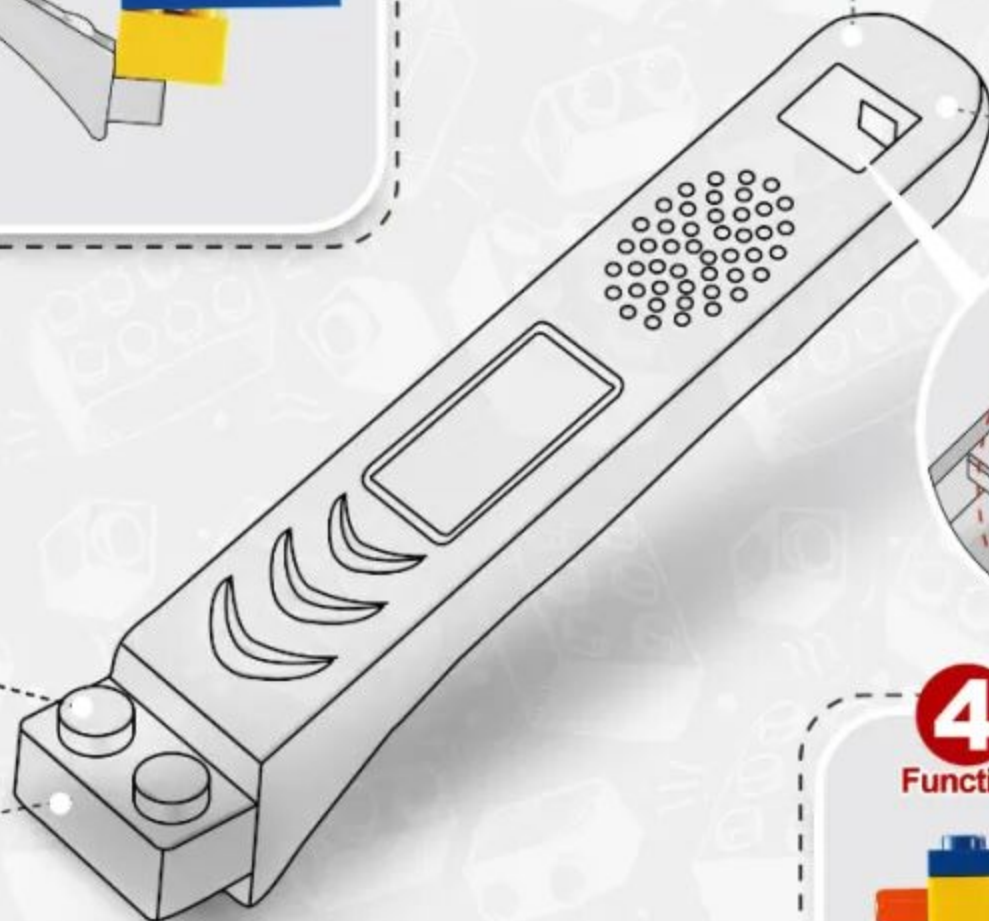
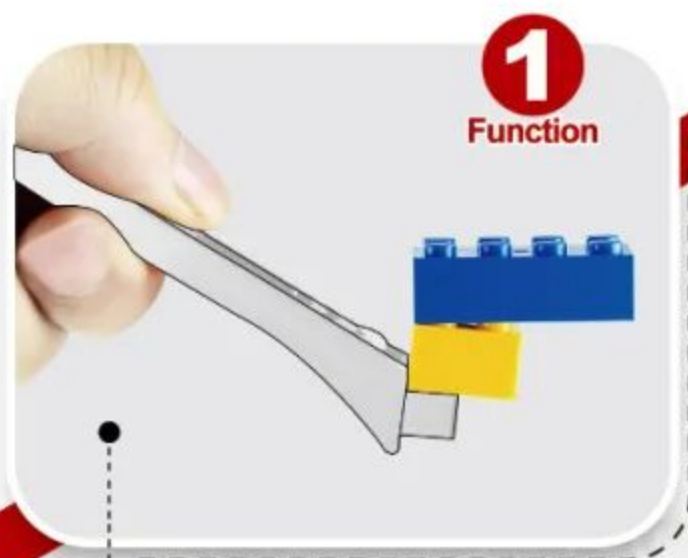


Product Size:400X240X178mm



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 $(1 \times 9) = 9$

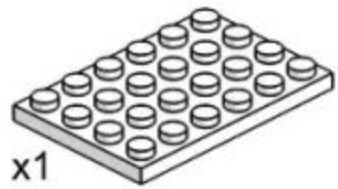
10 $(1 \times 10) = 10$

12 $(1 \times 12) = 12$

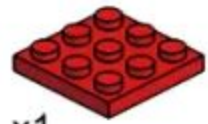
16 $(1 \times 16) = 16$

PARTS LIST

配件清单



x1



x1



x9



x1



x1



x4



x2



x2



x15



x2



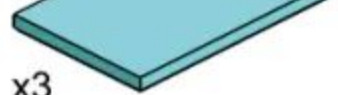
x3



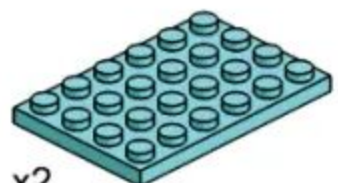
x10



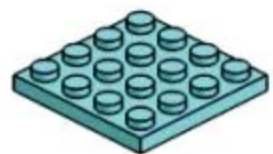
x2



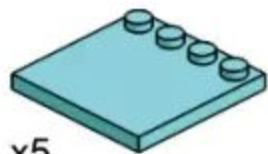
x3



x2



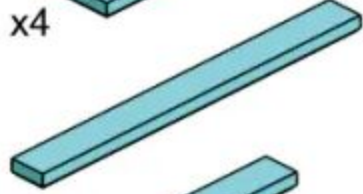
x1



x5



x4



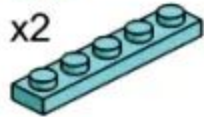
x1



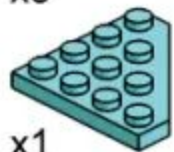
x1



x2



x3



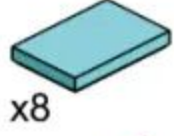
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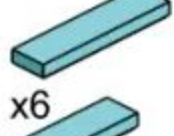
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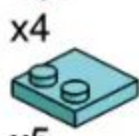
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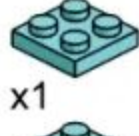
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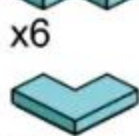
x6



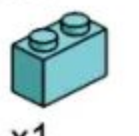
x4



x5



x1



x1



x2



x3



x5



x6



x5



x5



x4



x2



x4



x2



x2



x2



x3



x5



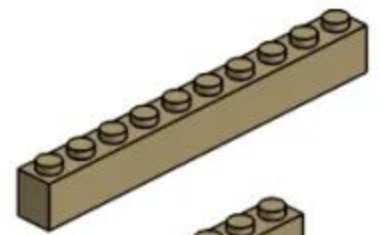
x1



x1



x1



x6



x2



x1



x1



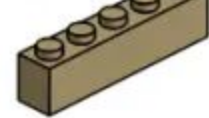
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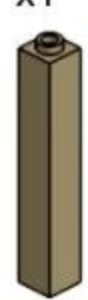
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x3



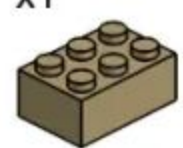
x1



x1



x1



x2



x3



x3



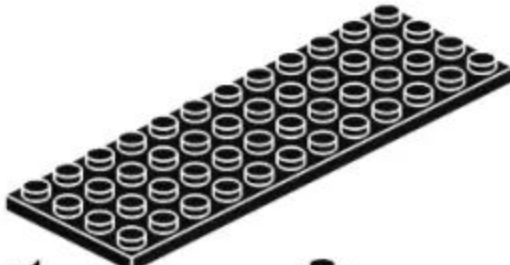











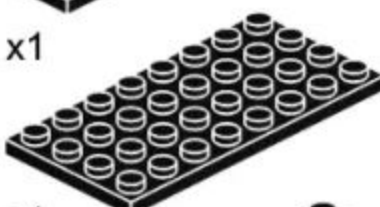



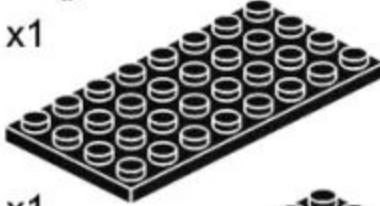



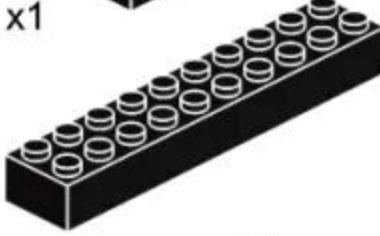





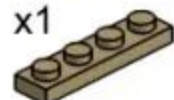

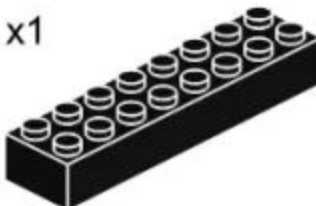











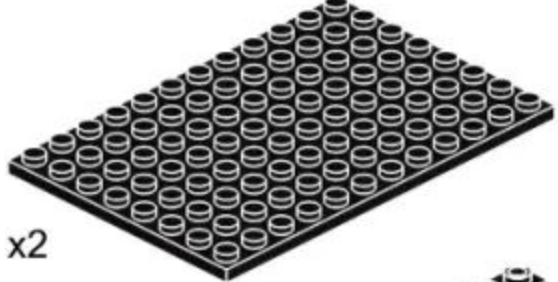


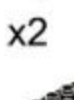














产品有增补件请以实物为准

If product has additional parts, please in kind prevail.

PARTS LIST

配件清单

- | | | | |
|--|---|--|--|
| 
x1 | 
x6 | 
x1 | 
x3 |
| 
x23 | 
x4 | 
x1 | 
x1 |
| 
x4 | 
x1 | 
x1 | 
x3 |
| 
x2 | 
x2 | 
x1 | 
x1 |
| 
x28 | 
x3 | 
x1 | 
x1 |
| 
x2 | 
x2 | 
x18 | 
x1 |
| 
x1 | 
x2 | 
x1 | 
x7 |
| 
x8 | 
x1 | 
x4 | 
x4 |
| 
x3 | 
x4 | 
x21 | 
x19 |
| 
x8 | 
x5 | 
x1 | 
x1 |
| 
x4 | 
x2 | 
x2 | 
x44 |
| 
x4 | 
x2 | 
x2 | 
x1 |
| 
x12 | 
x2 | 
x2 | 
x2 |
| 
x1 | 
x2 | | 
x5 |
| 
x6 | | | |
| 
x28 | | | |
| 
x1 | | | |

产品有增补件请以实物为准

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PARTS LIST

配件清单



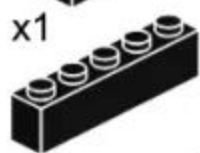
x3



x13



x1



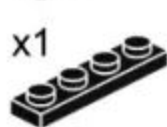
x2



x1



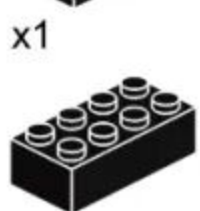
x1



x1



x1



x3



x1



x1



x1



x5



x3



x2



x1



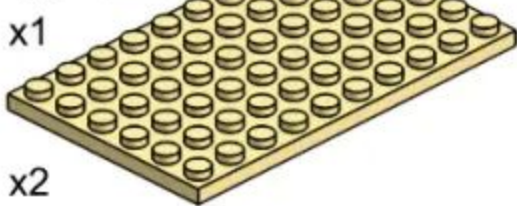
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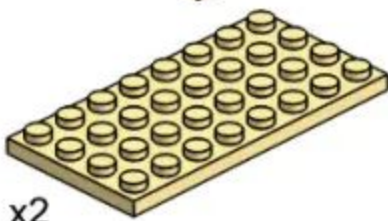
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x1



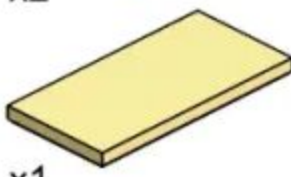
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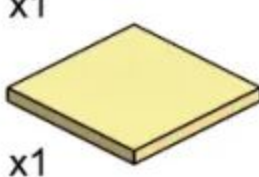
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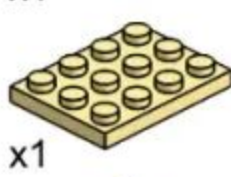
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x1



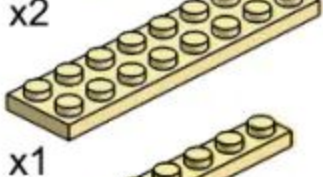
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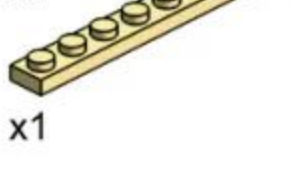
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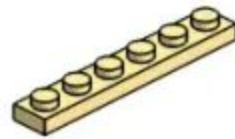
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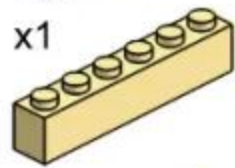
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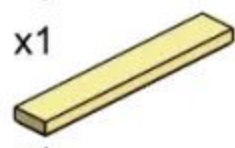
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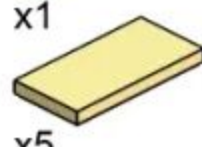
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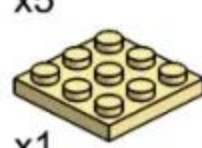
x1



x1



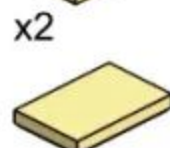
x5



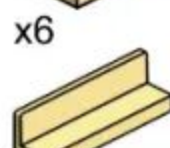
x1



x2



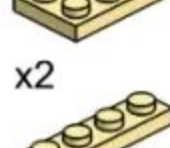
x6



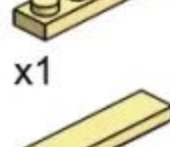
x20



x2



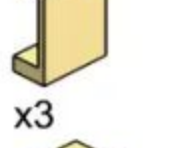
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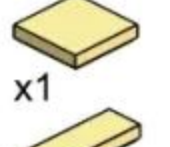
x4



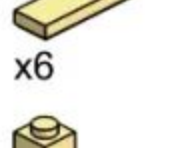
x3



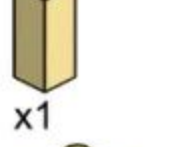
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x6



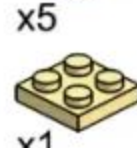
x1



x2



x5



x1



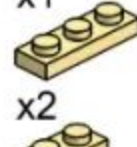
x2



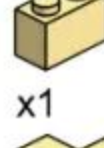
x5



x1



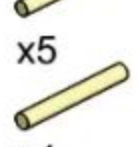
x2



x1



x11



x5



x4



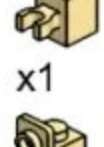
x1



x19



x2



x1



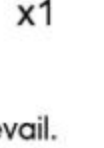
x1



x8



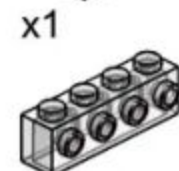
x5



x1



x1



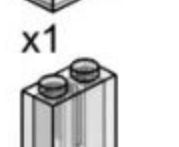
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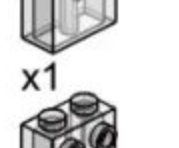
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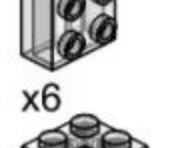
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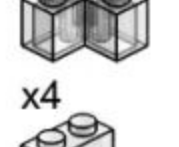
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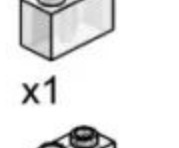
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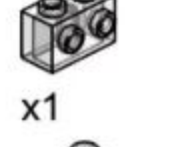
x6



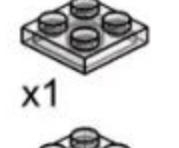
x4



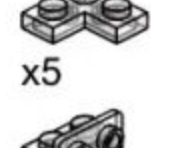
x1



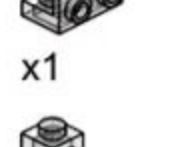
x1



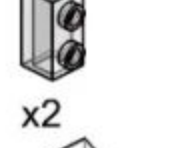
x1



x5



x1



x2



x4



x1

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



x4



x4



x2



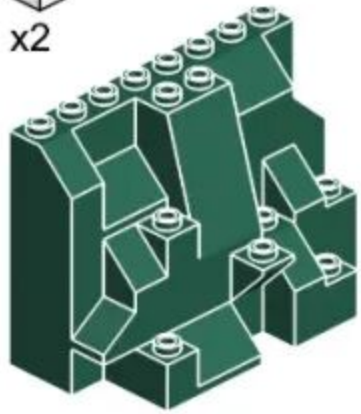
x1



x4



x2



x6



x8



x2



x1



x1



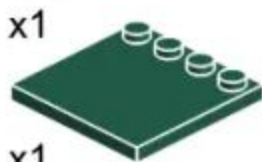
x2



x1



x1



x1



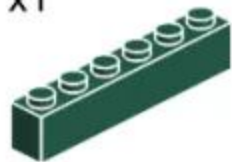
x1



x18



x1



x1



x1



x2



x2



x3



x1



x1



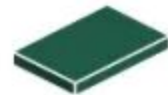
x1



x31



x2



x1



x3



x17



x5



x5



x11



x3



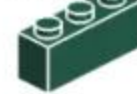
x6



x24



x5



x2



x1



x7



x9



x2



x1



x1



x1



x3



x7



x10



x1



x1



x2



x4



x11



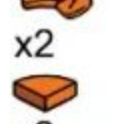
x1



x7



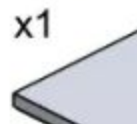
x2



x2



x4



x1



x4



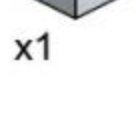
x2



x4



x1



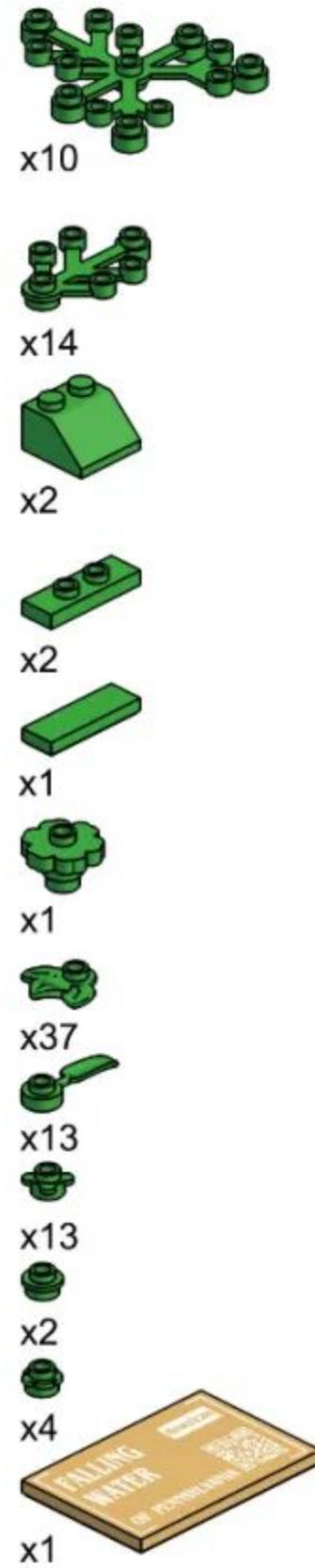
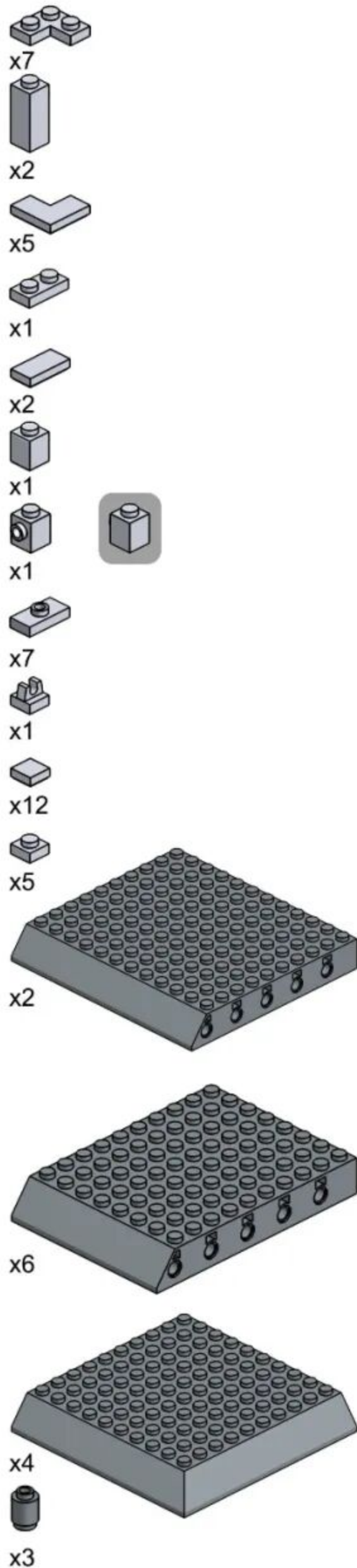
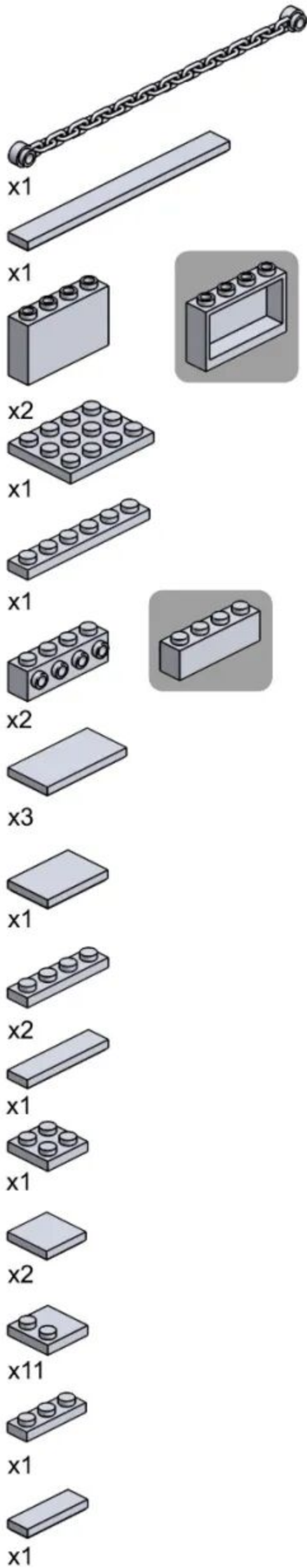
x1

产品有增补件请以实物为准

If product has additional parts, please in kind prevail.

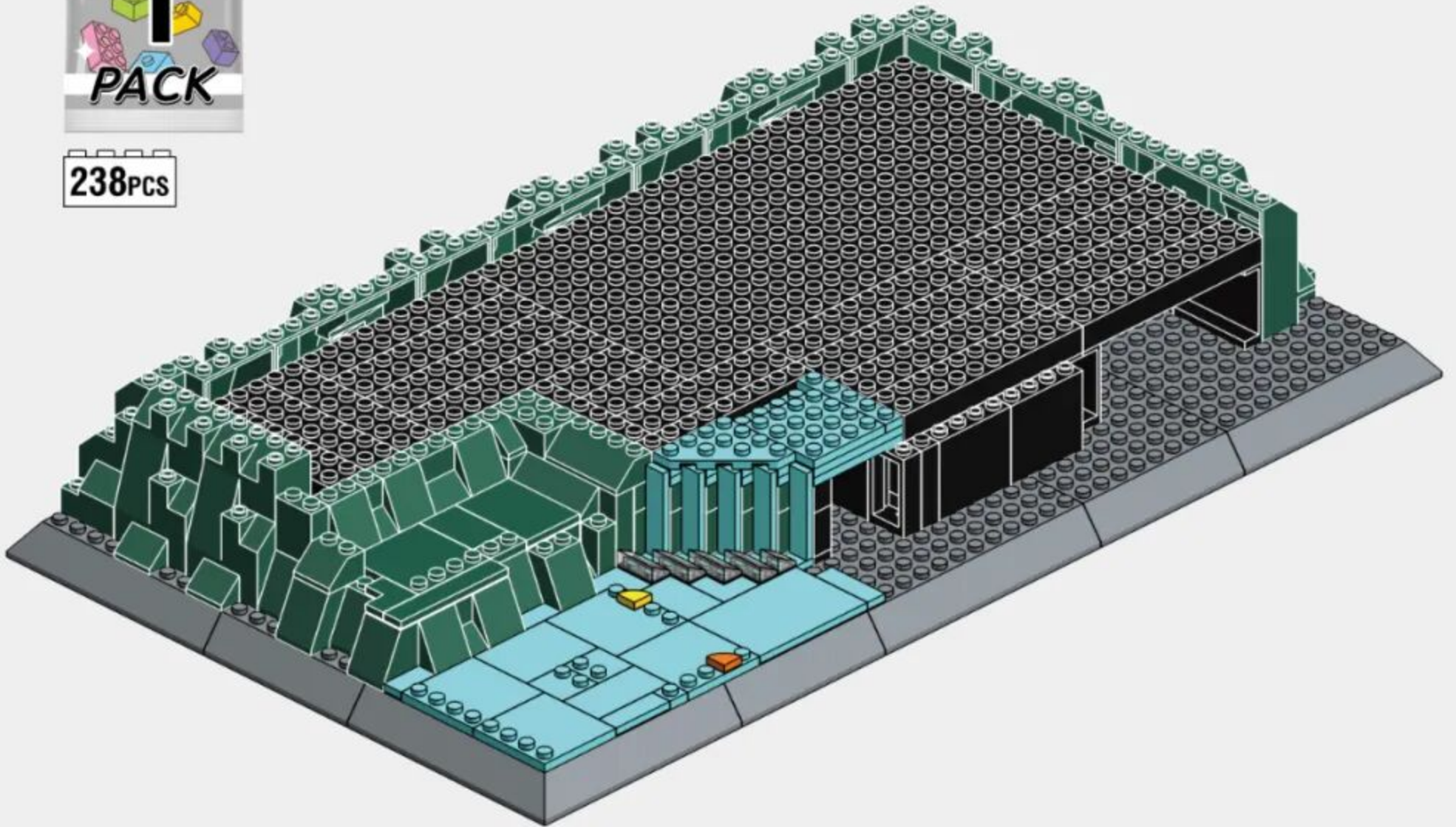
PARTS LIST

配件清单

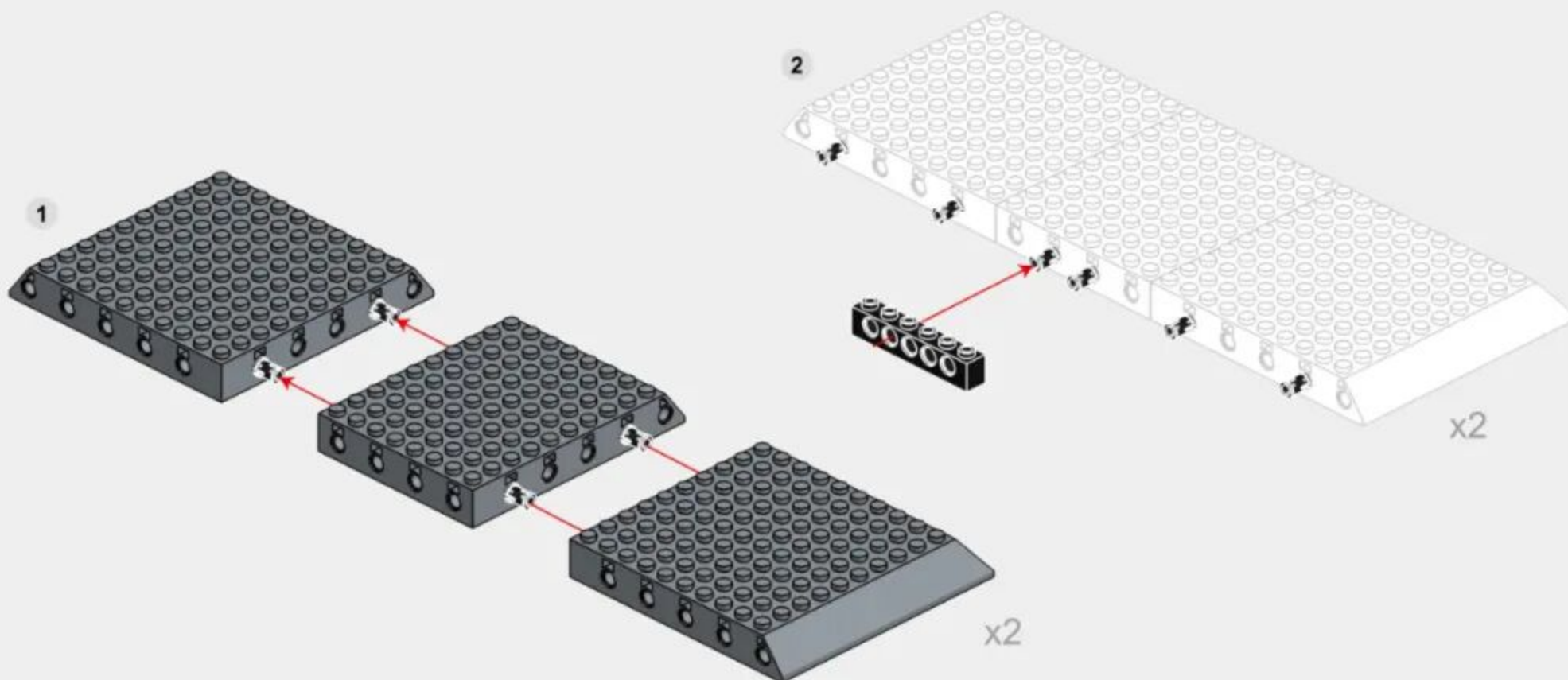
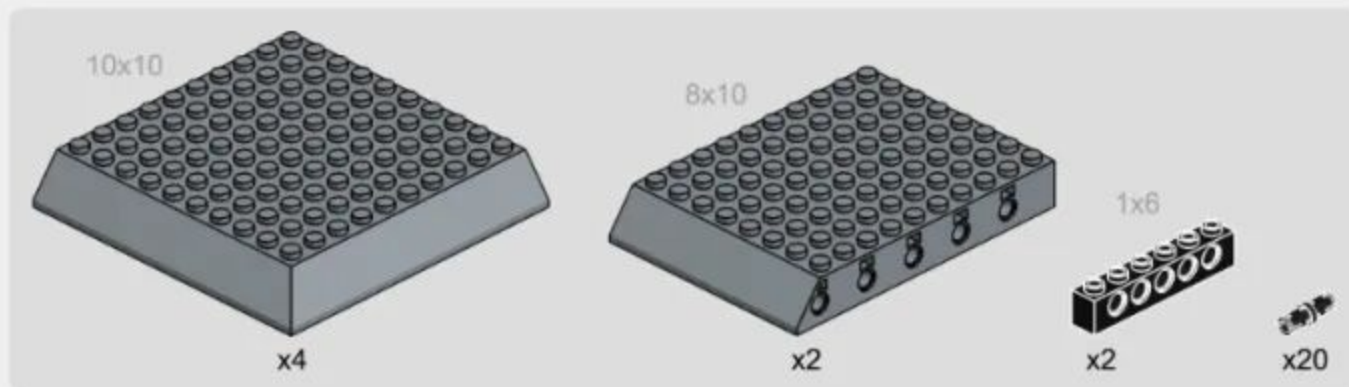




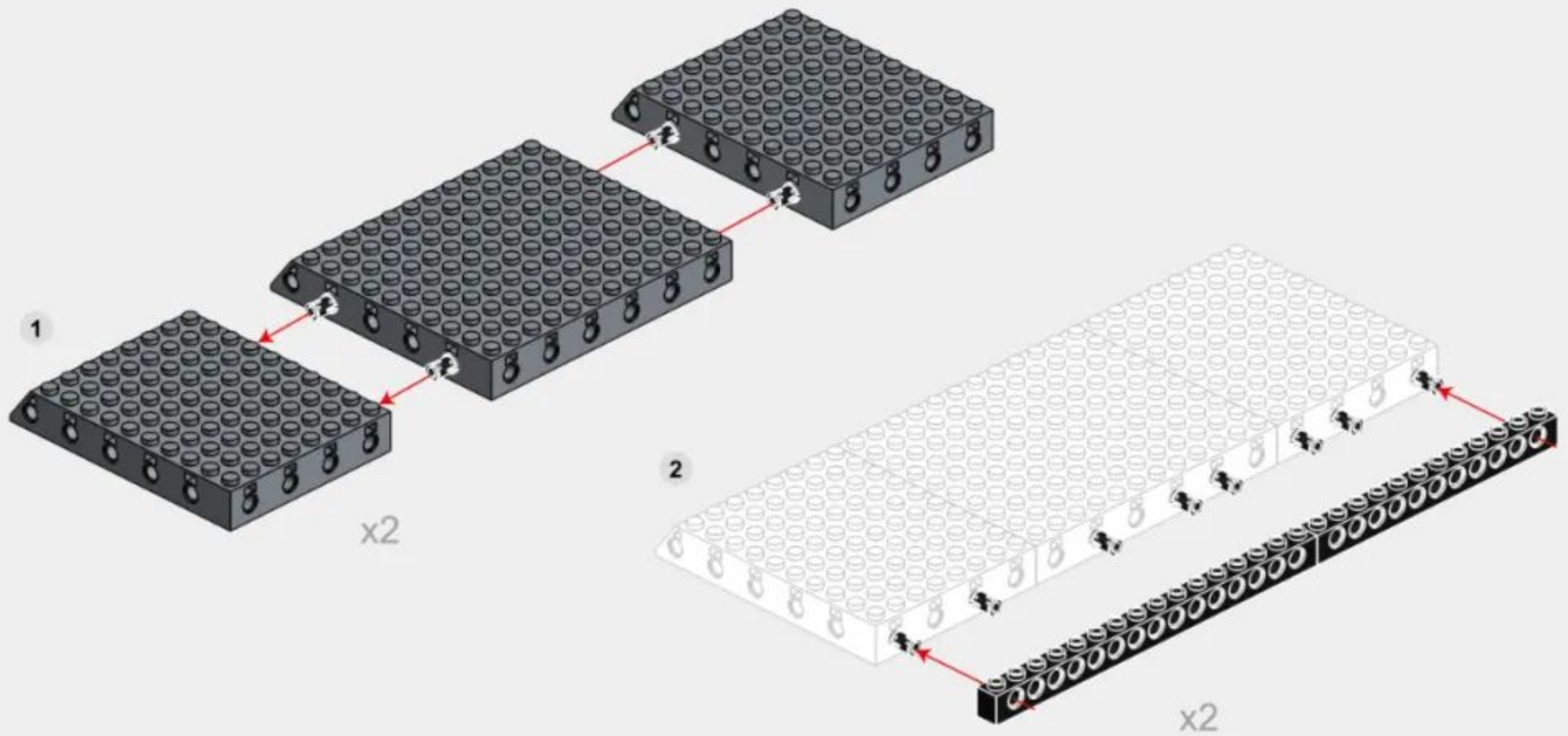
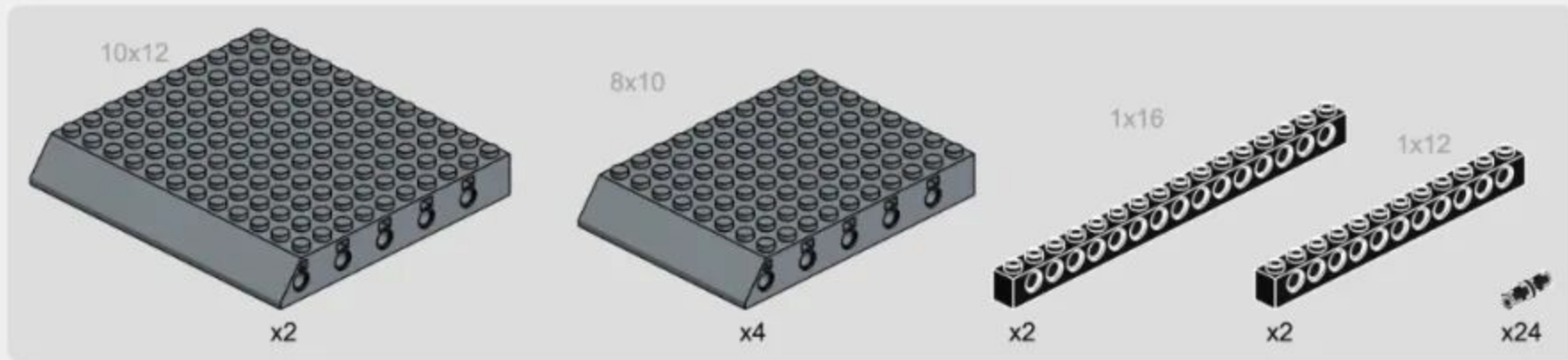
238PCS



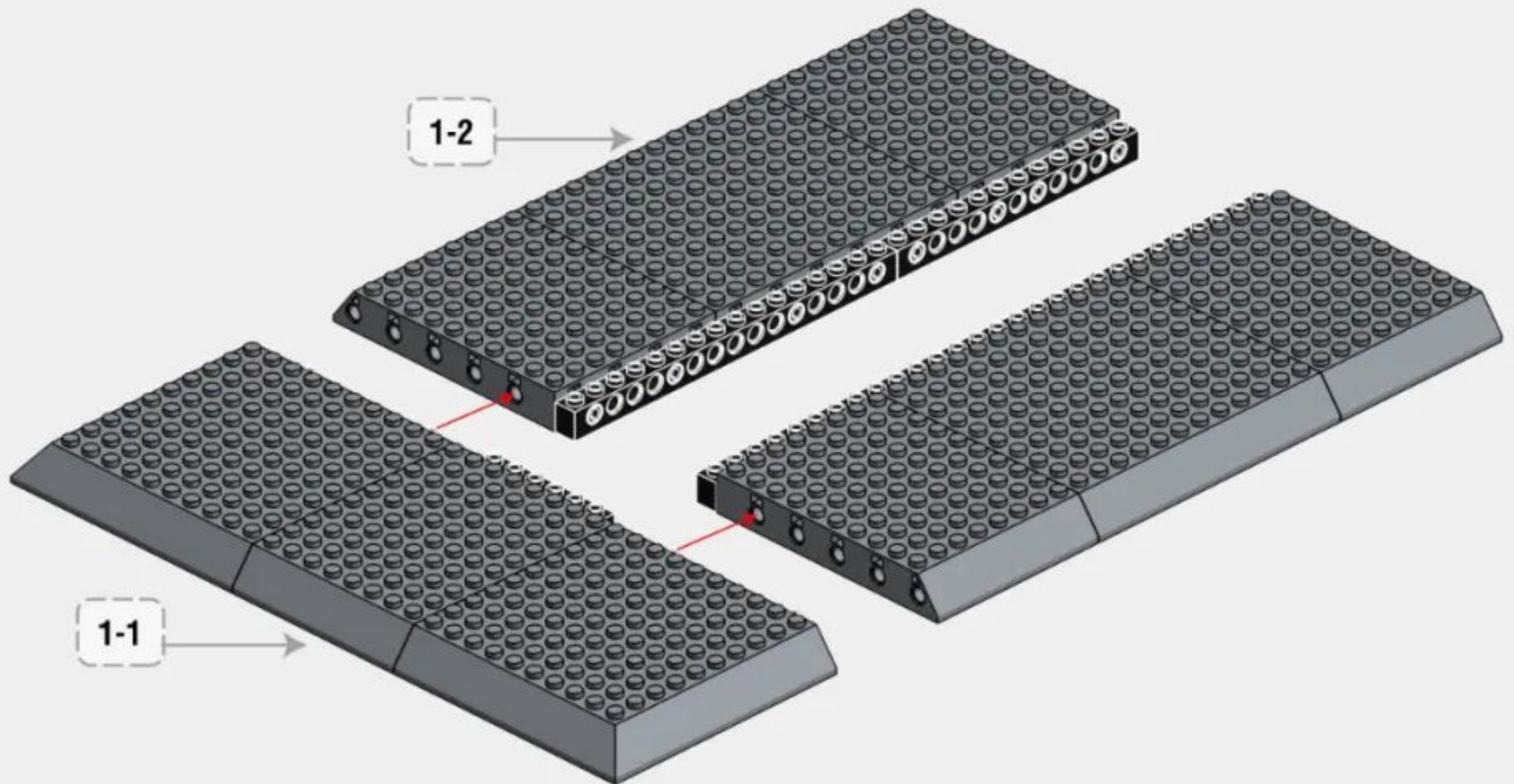
1-1



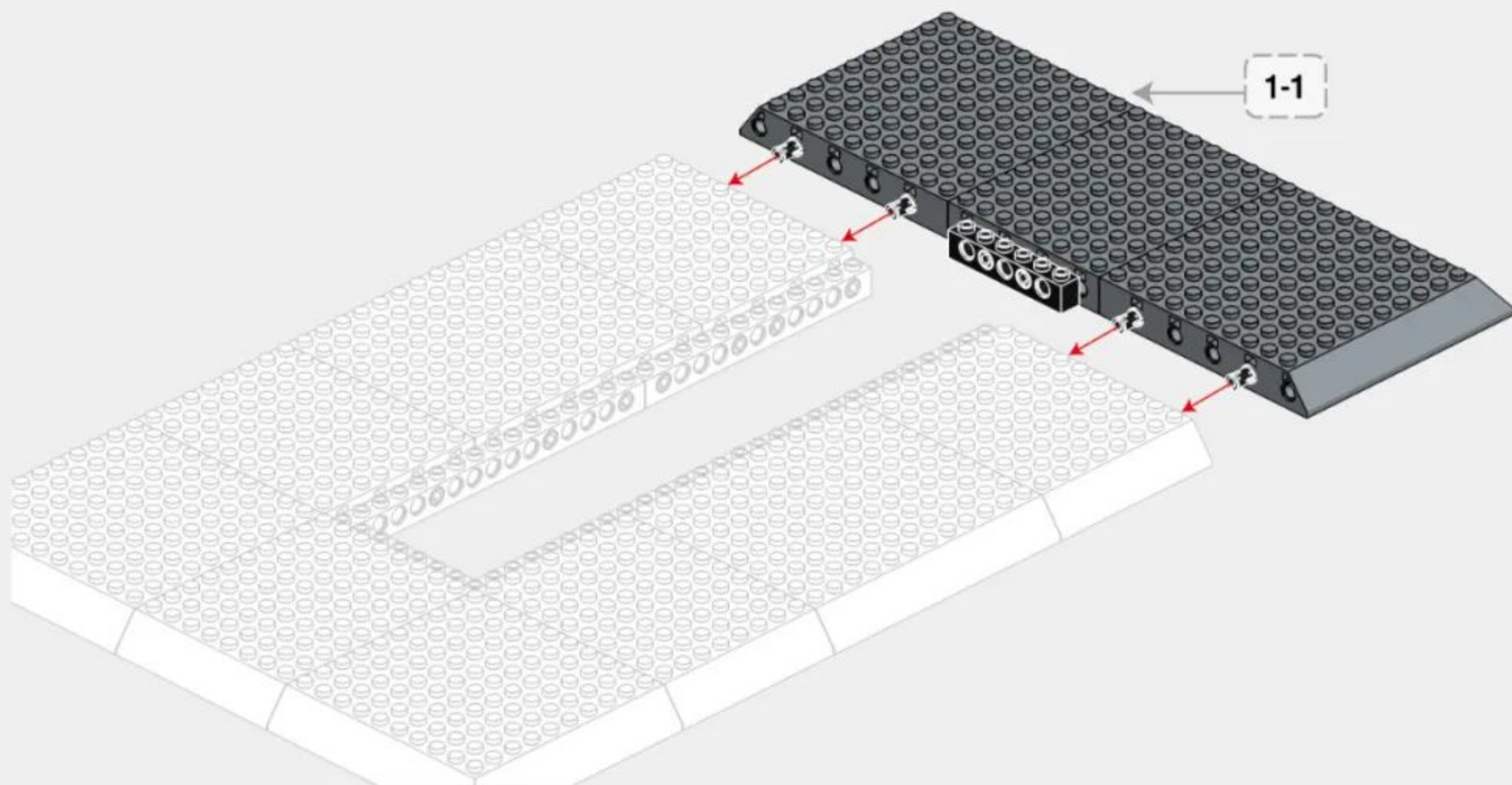
1-2



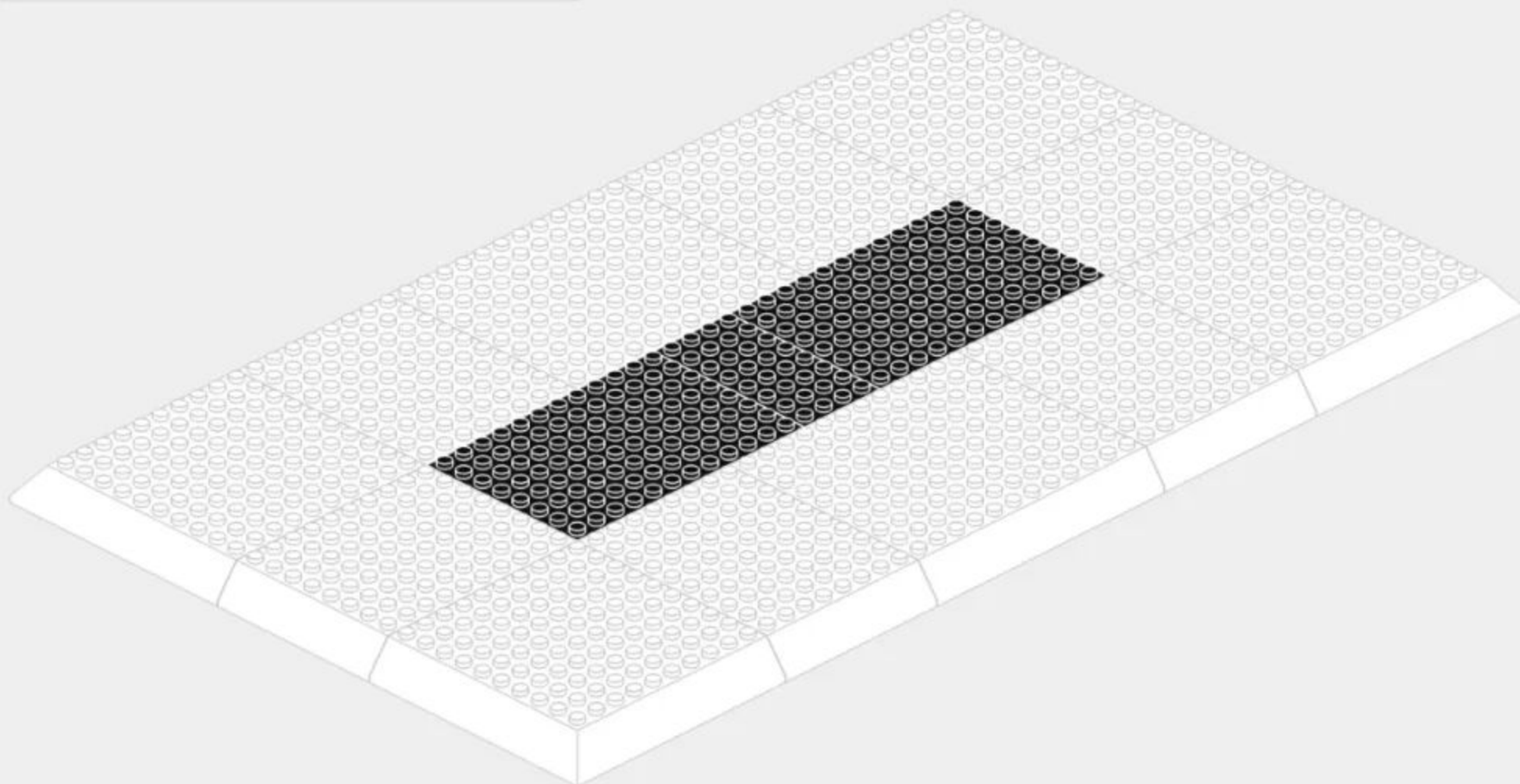
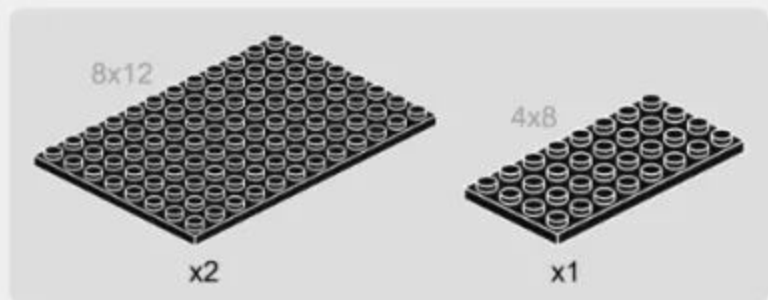
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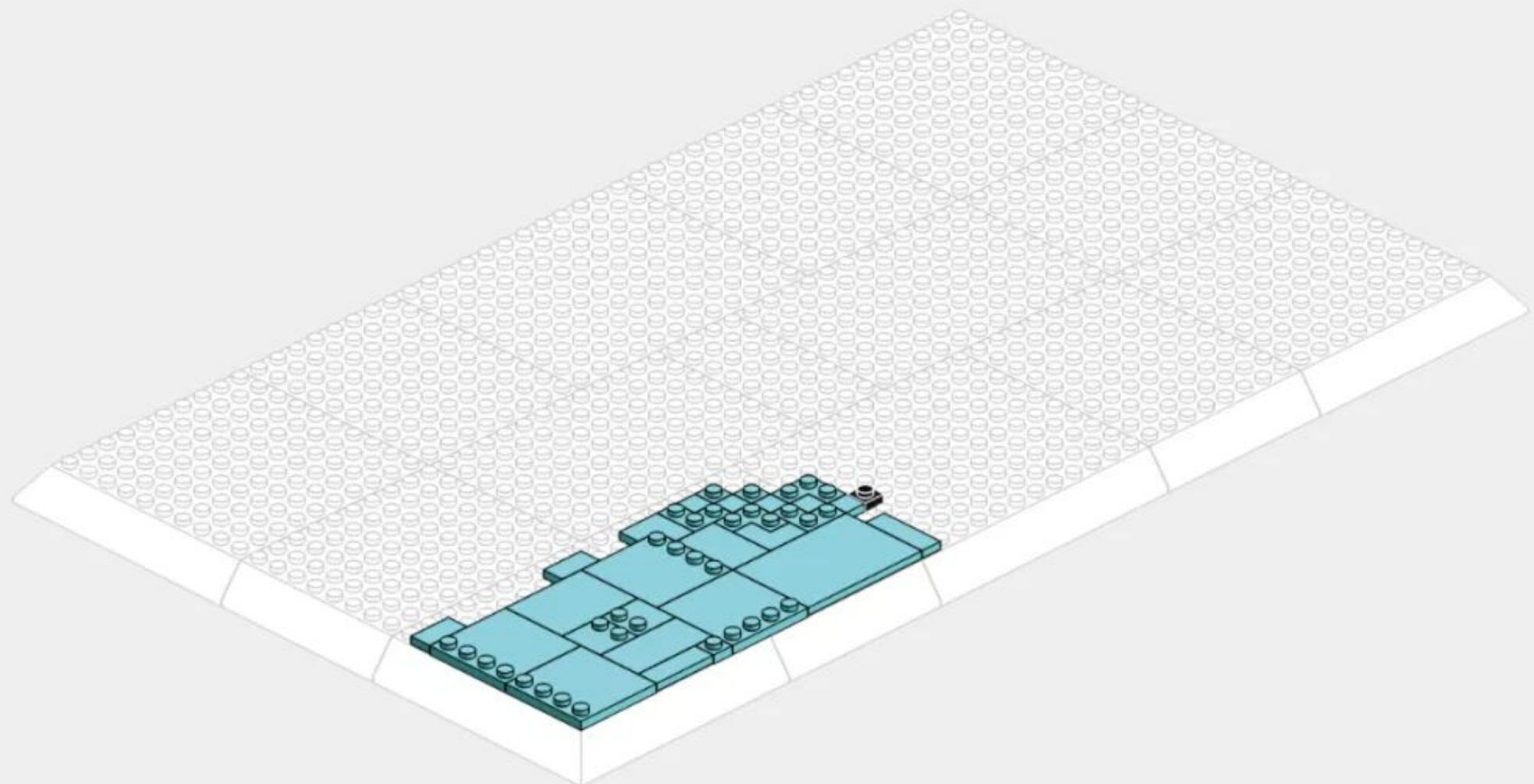
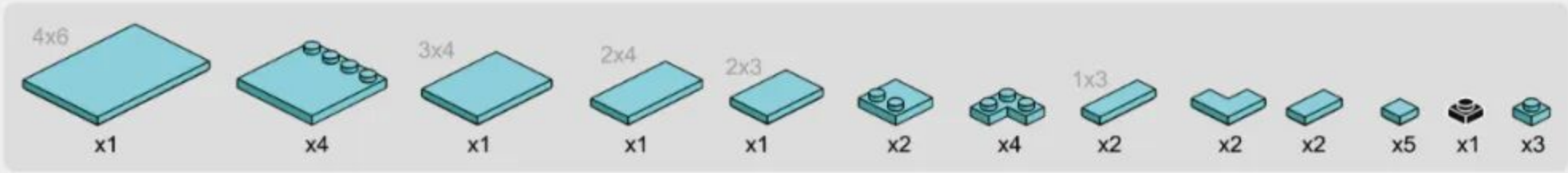
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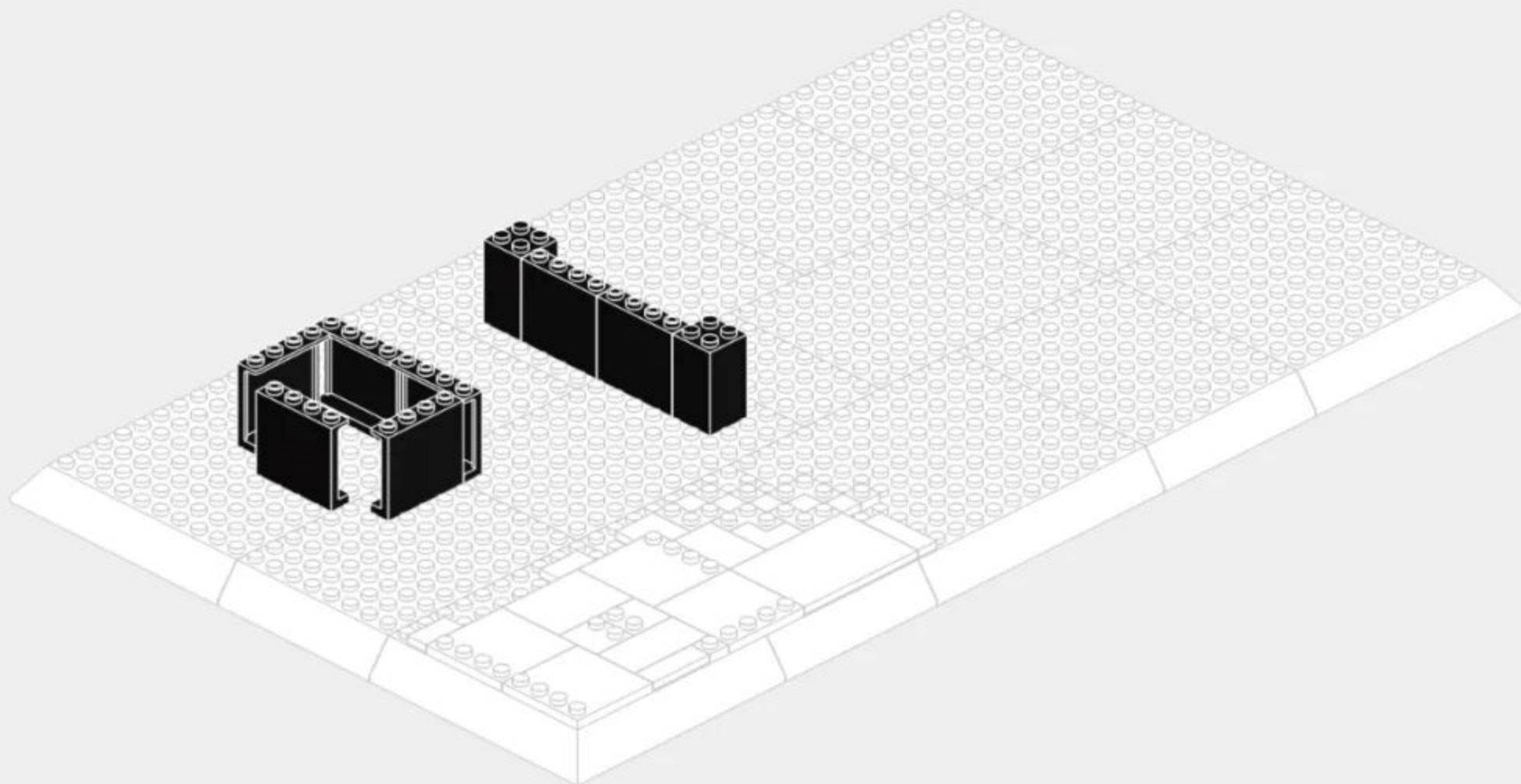
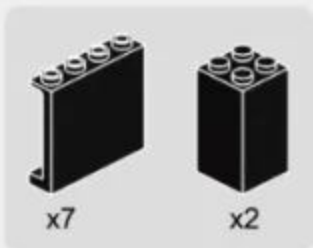
1-5



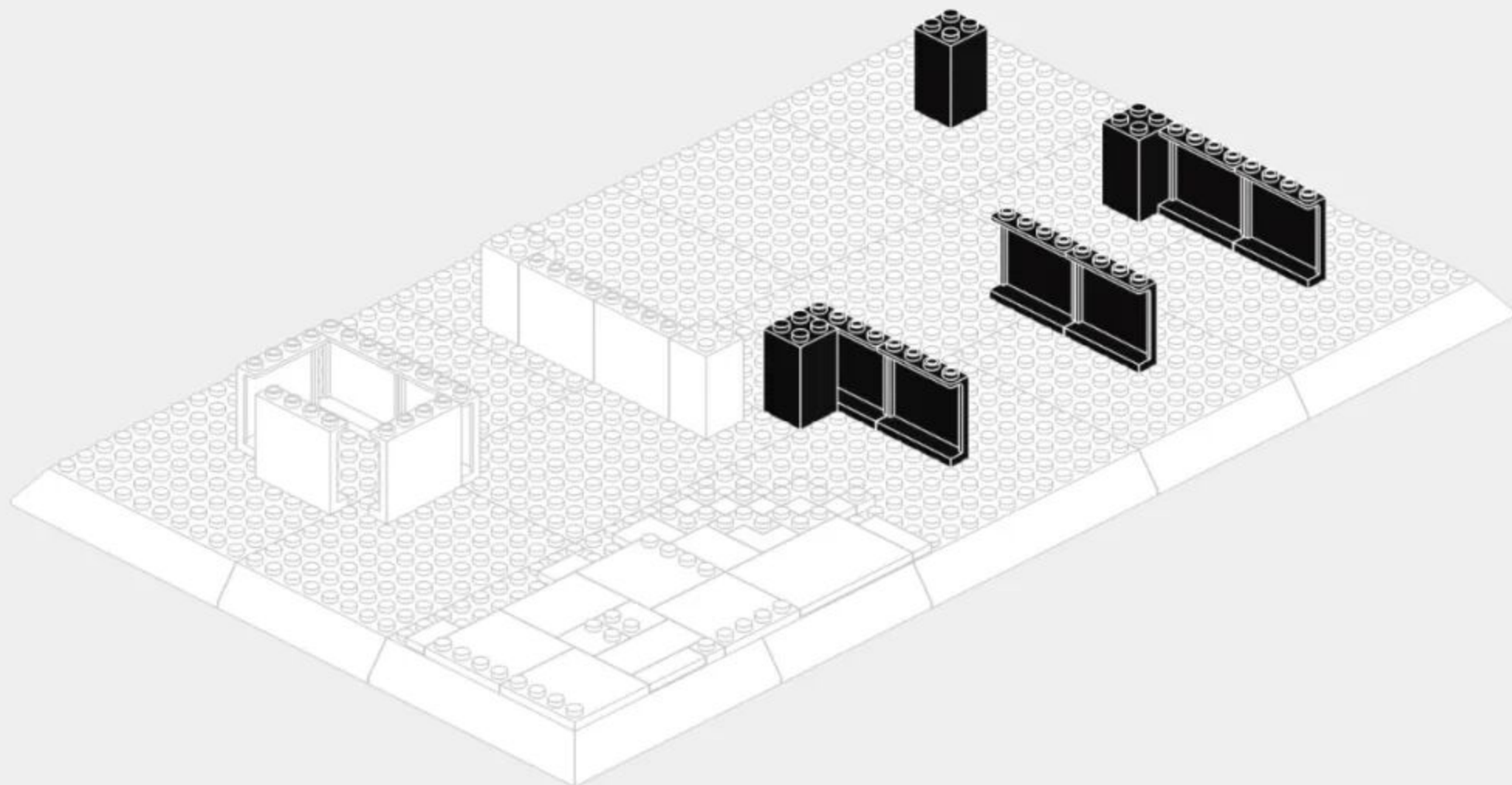
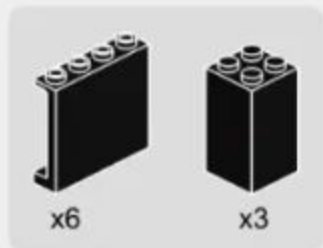
1-6



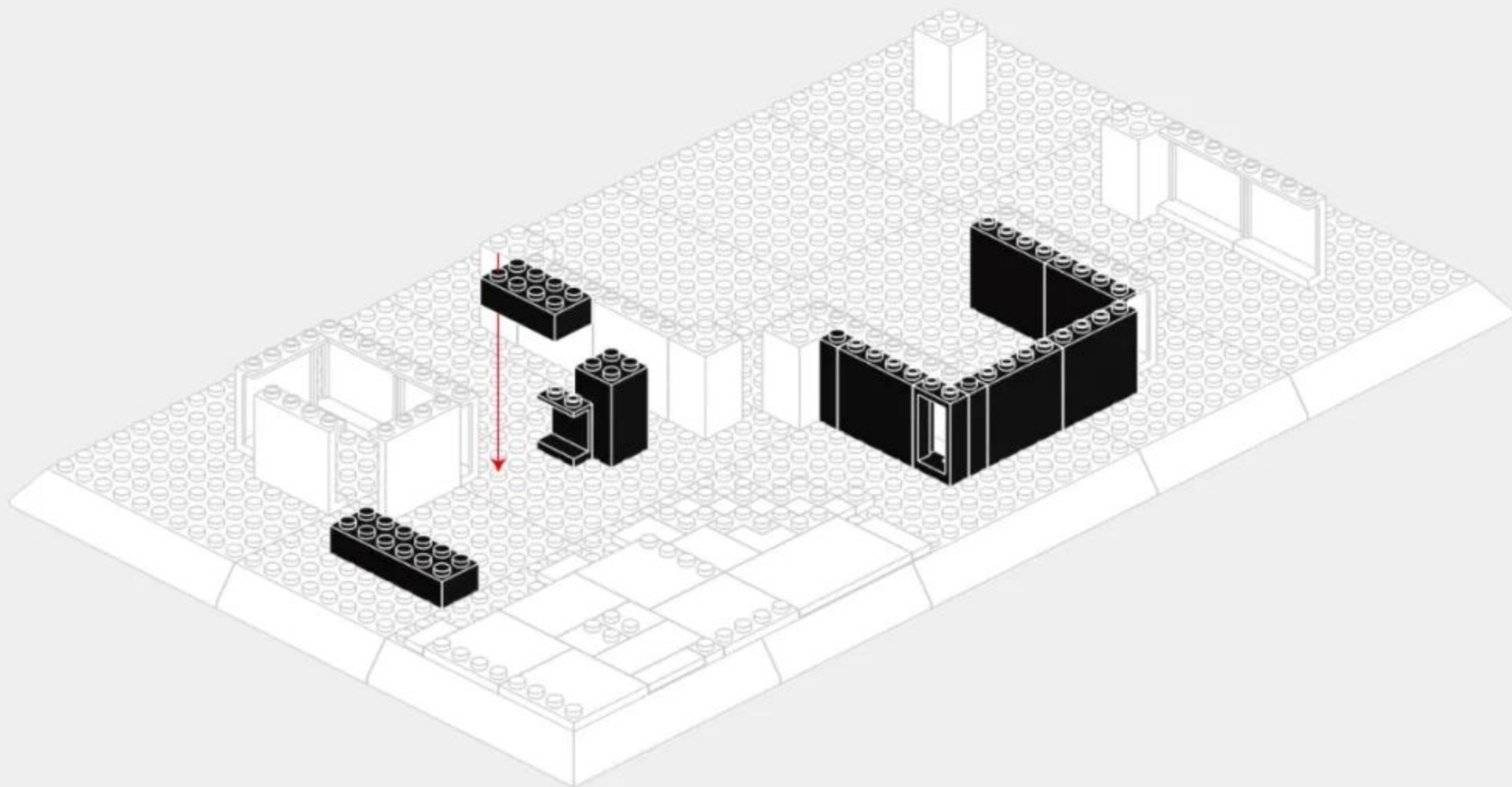
1-7



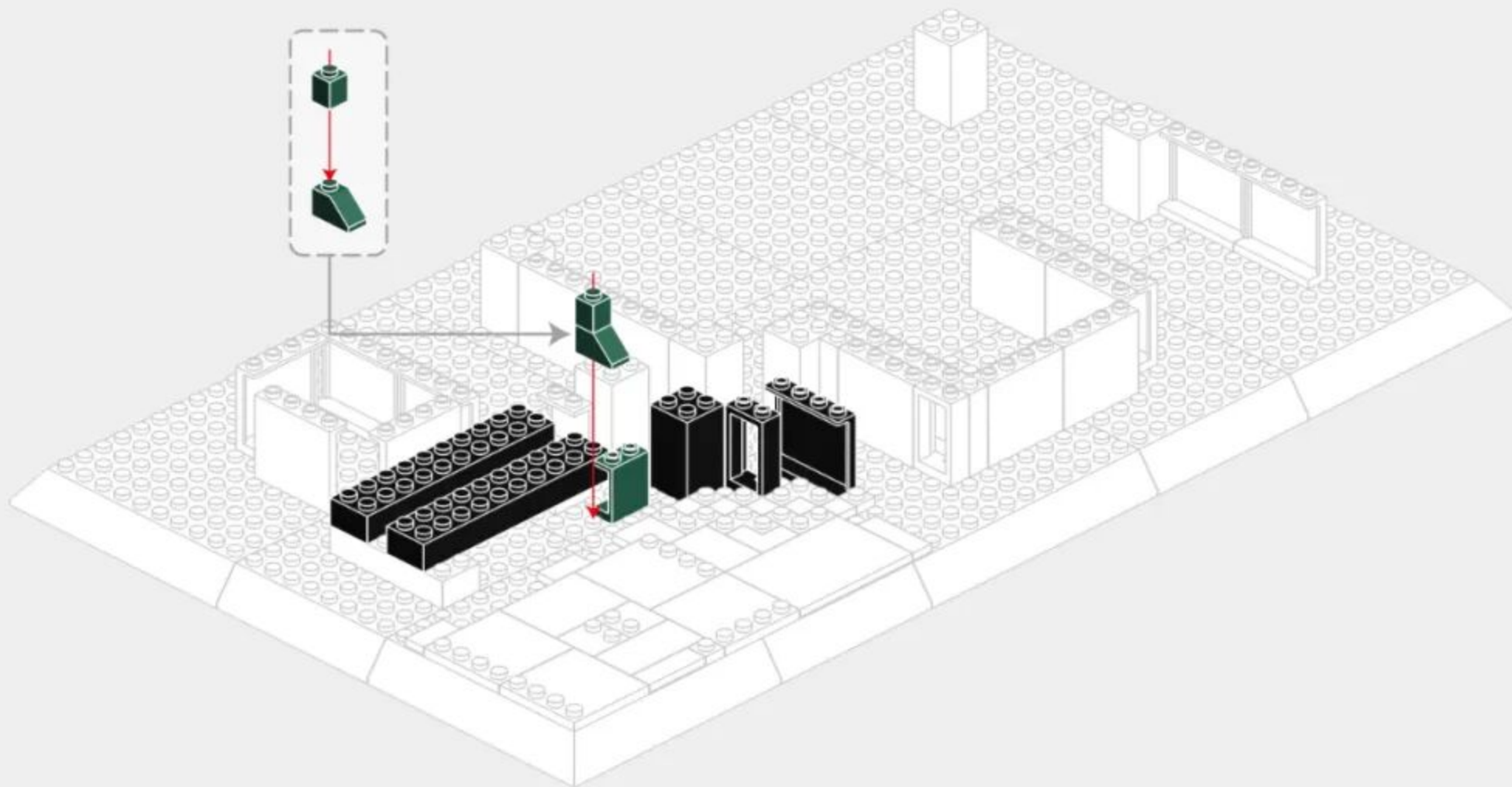
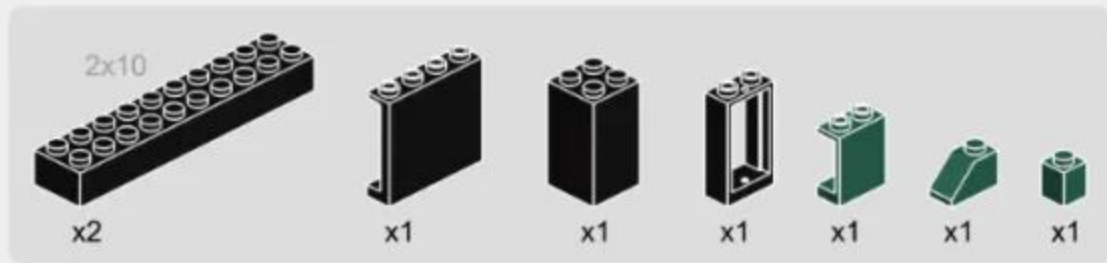
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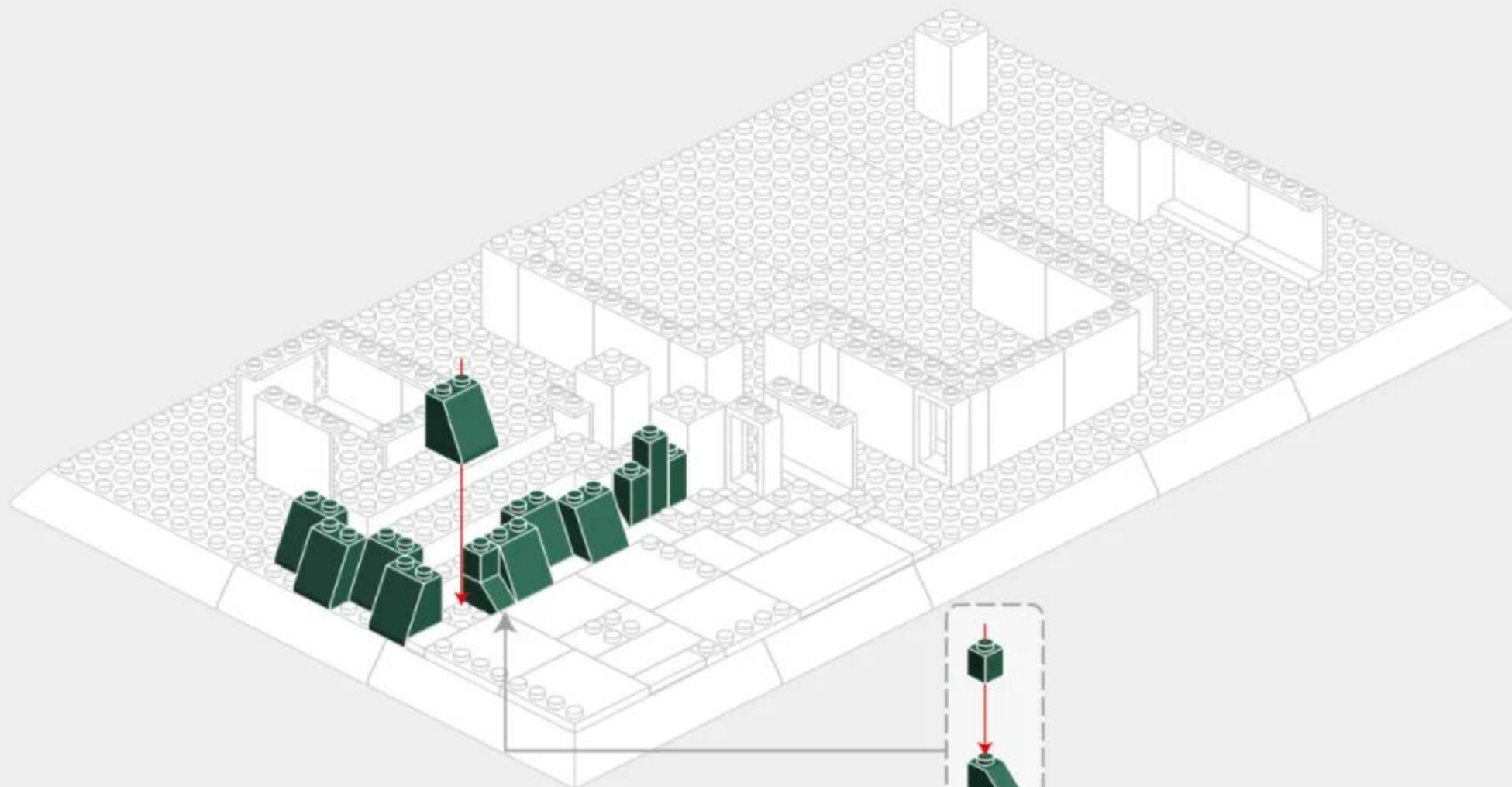
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1-10

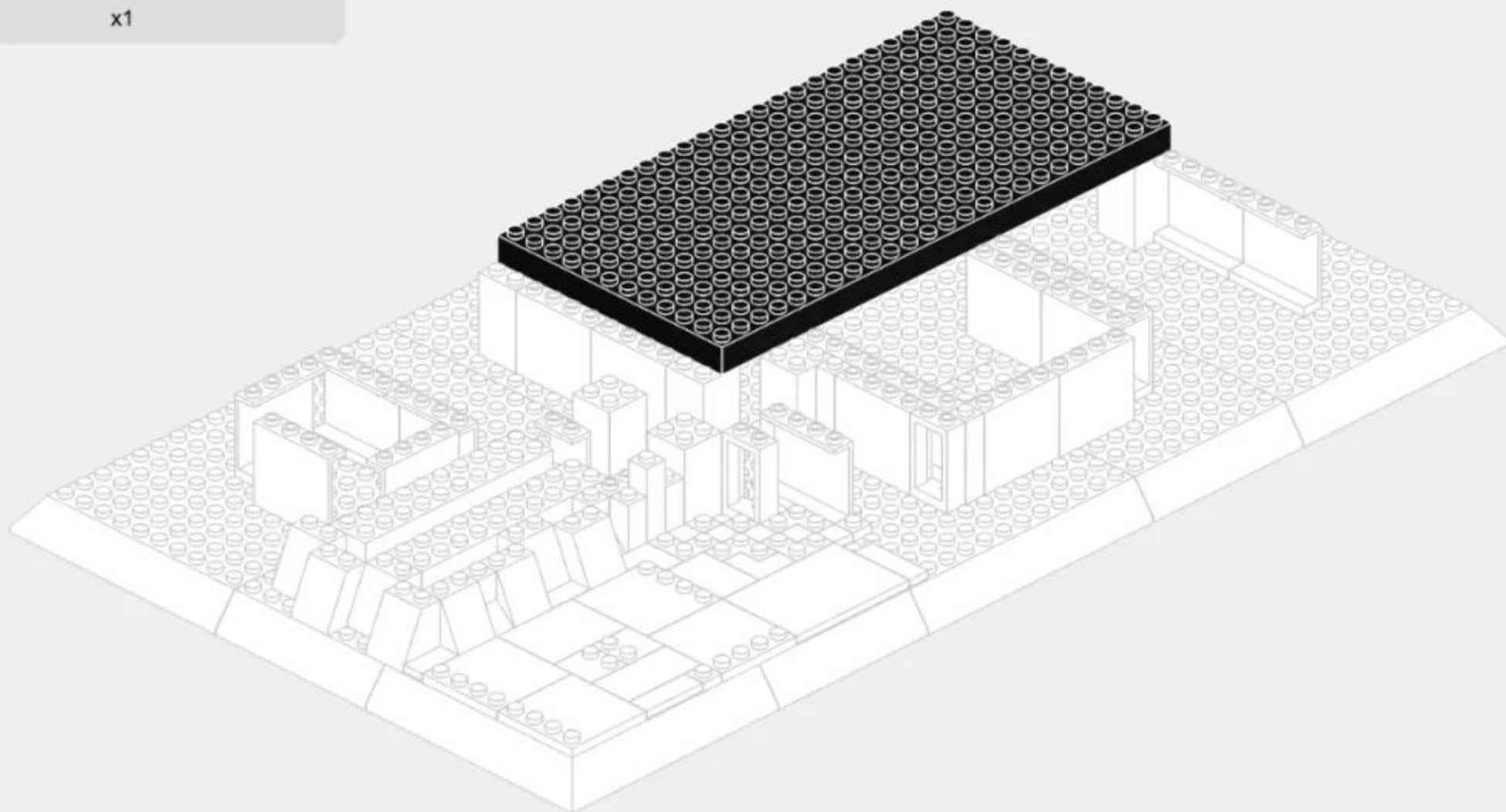
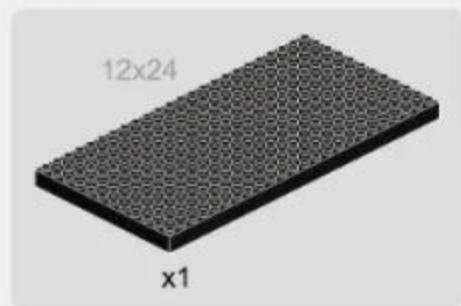


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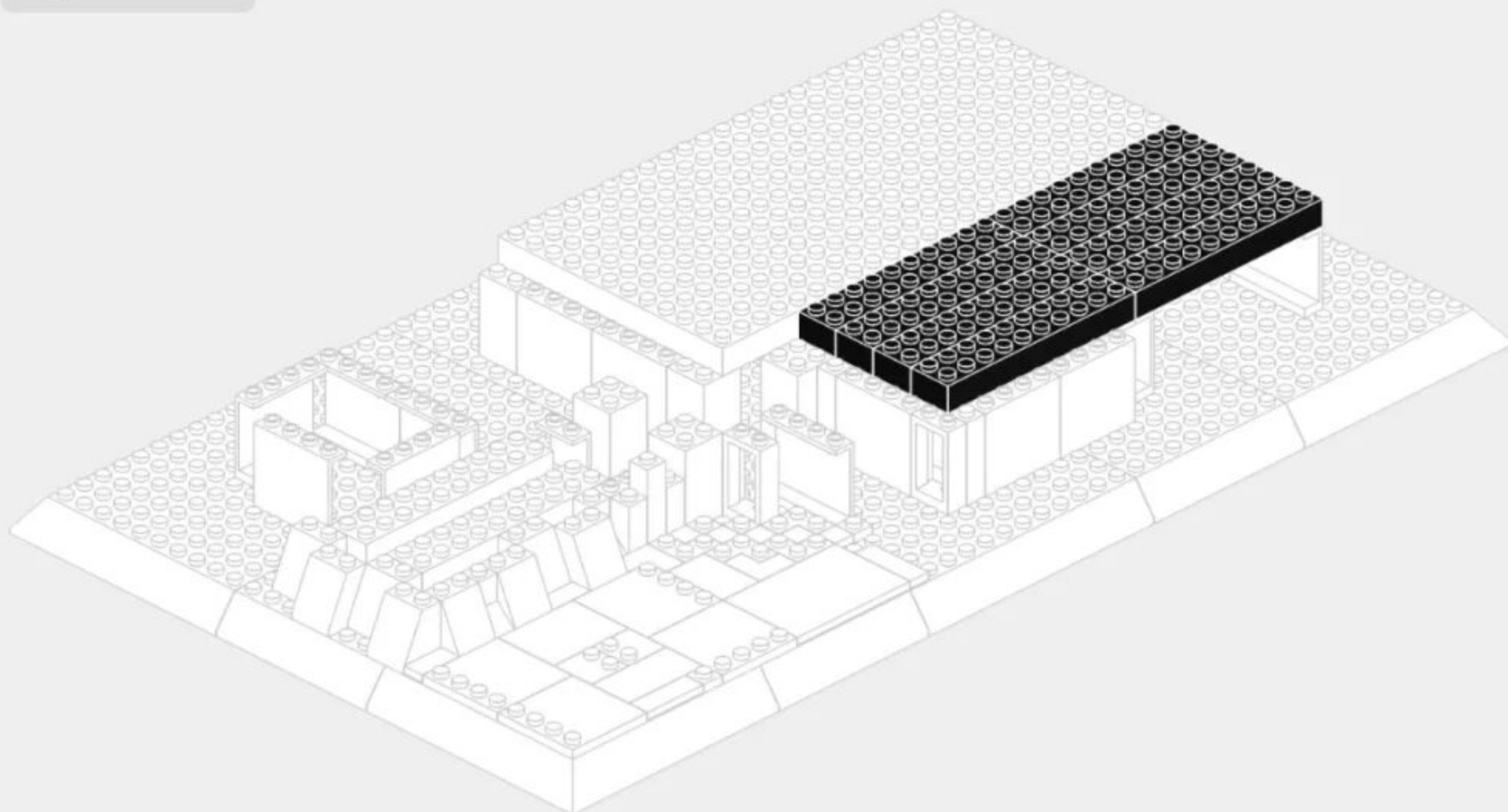
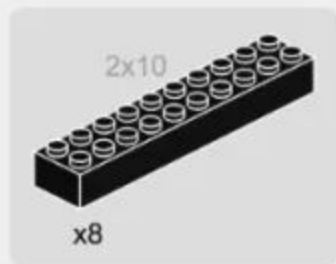


31

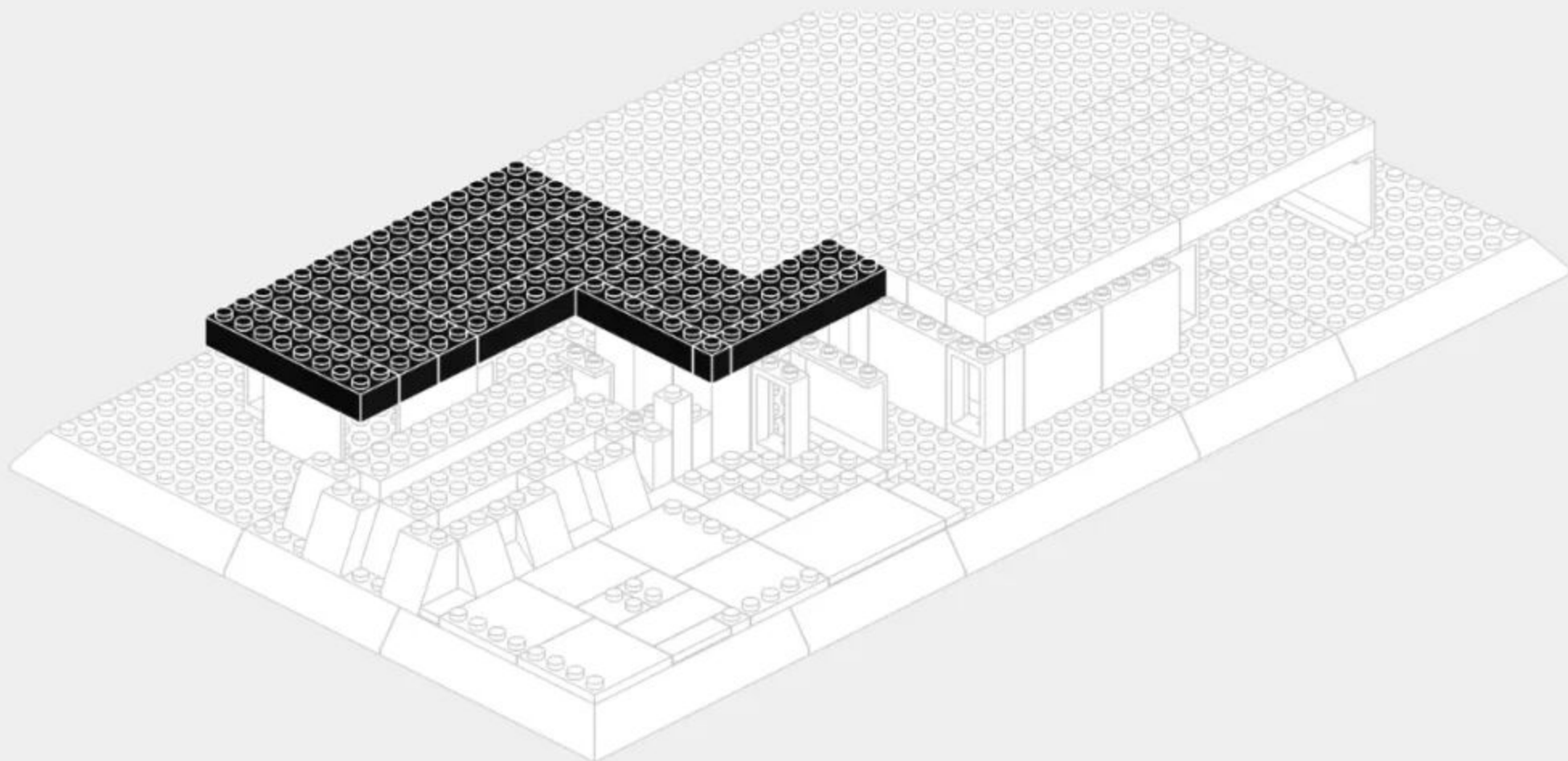
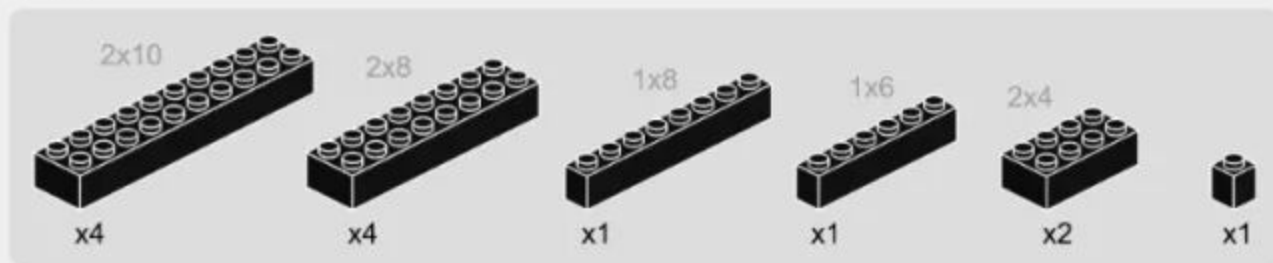
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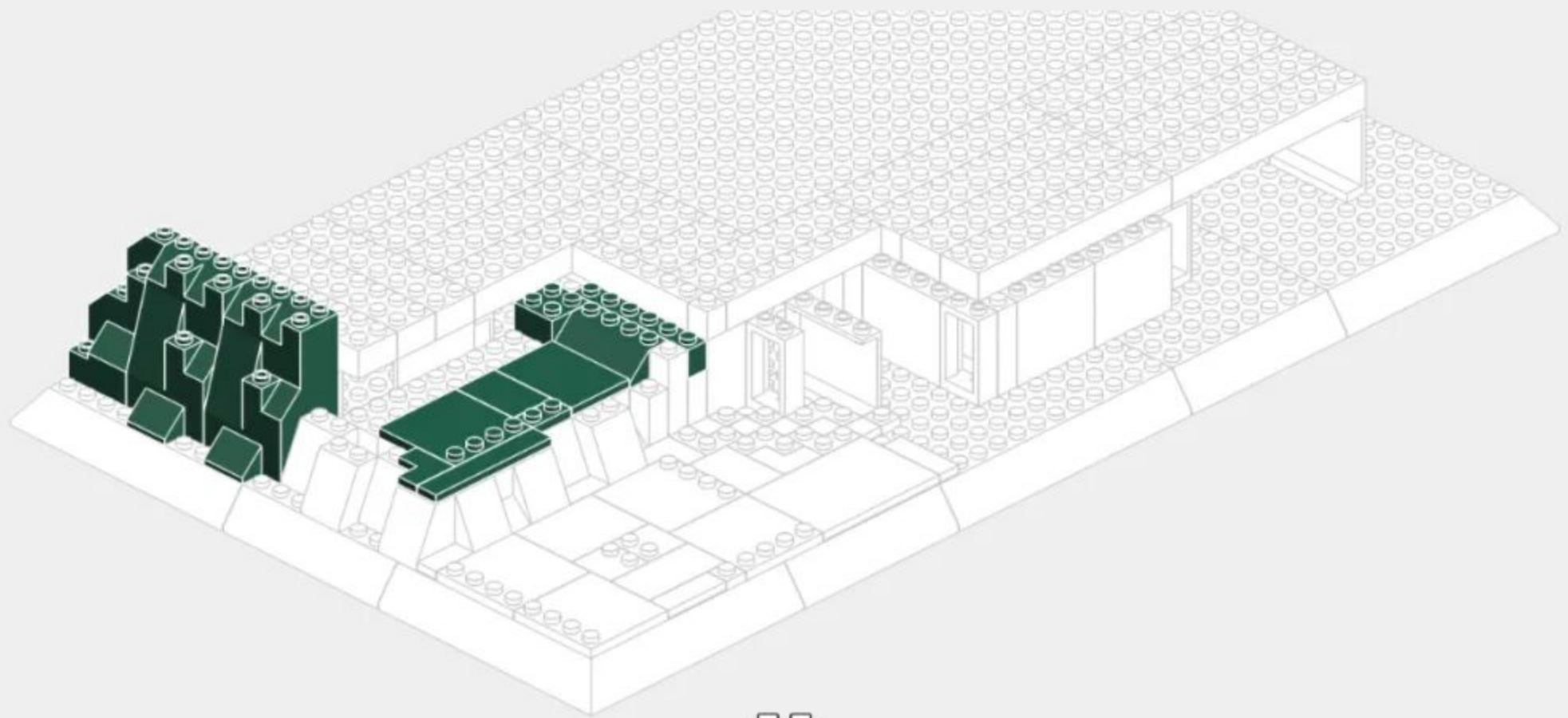
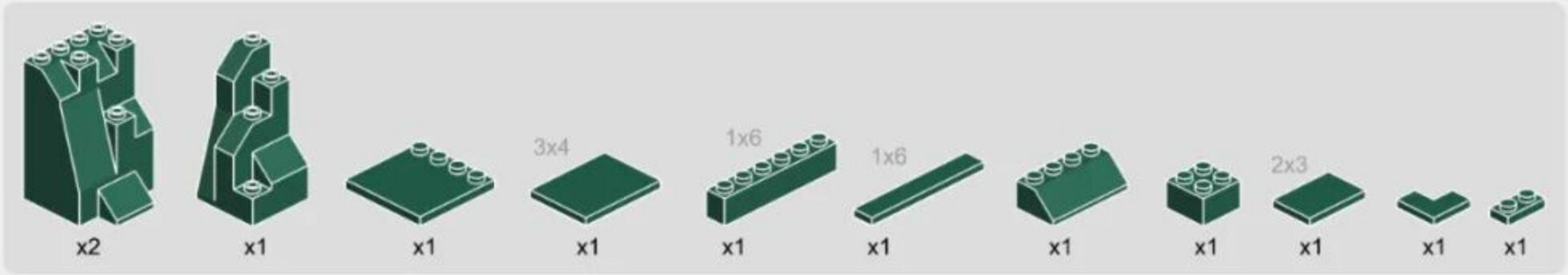
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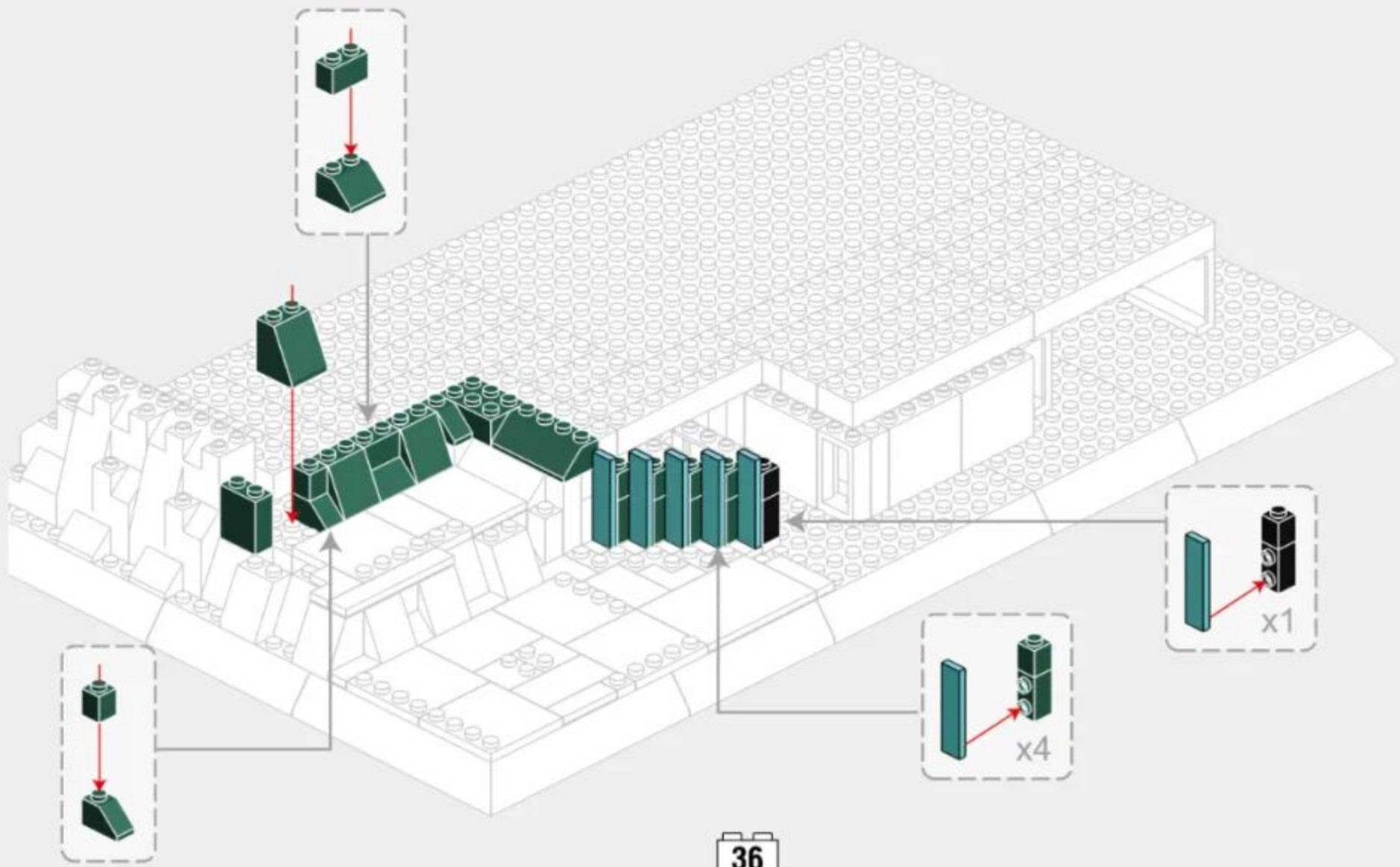
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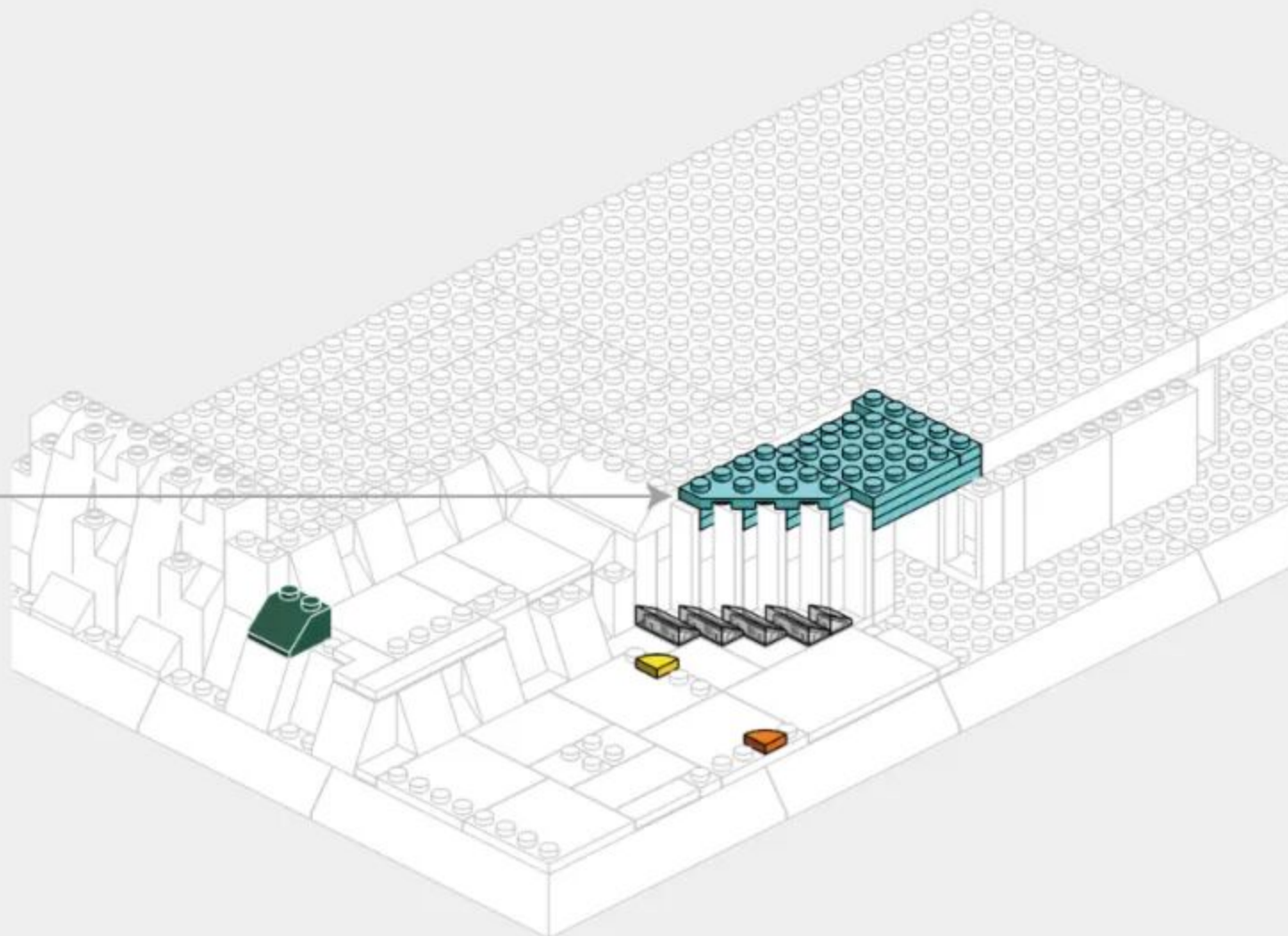
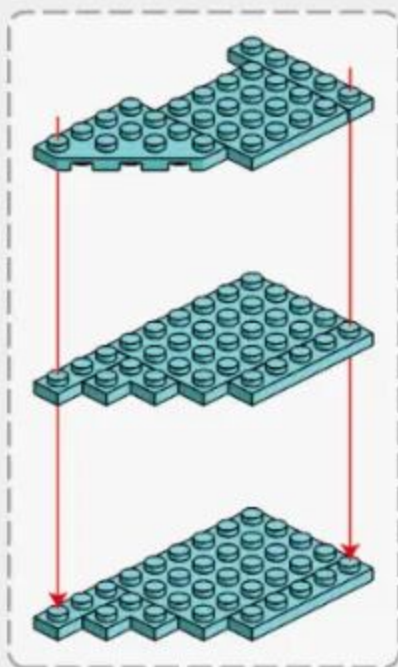
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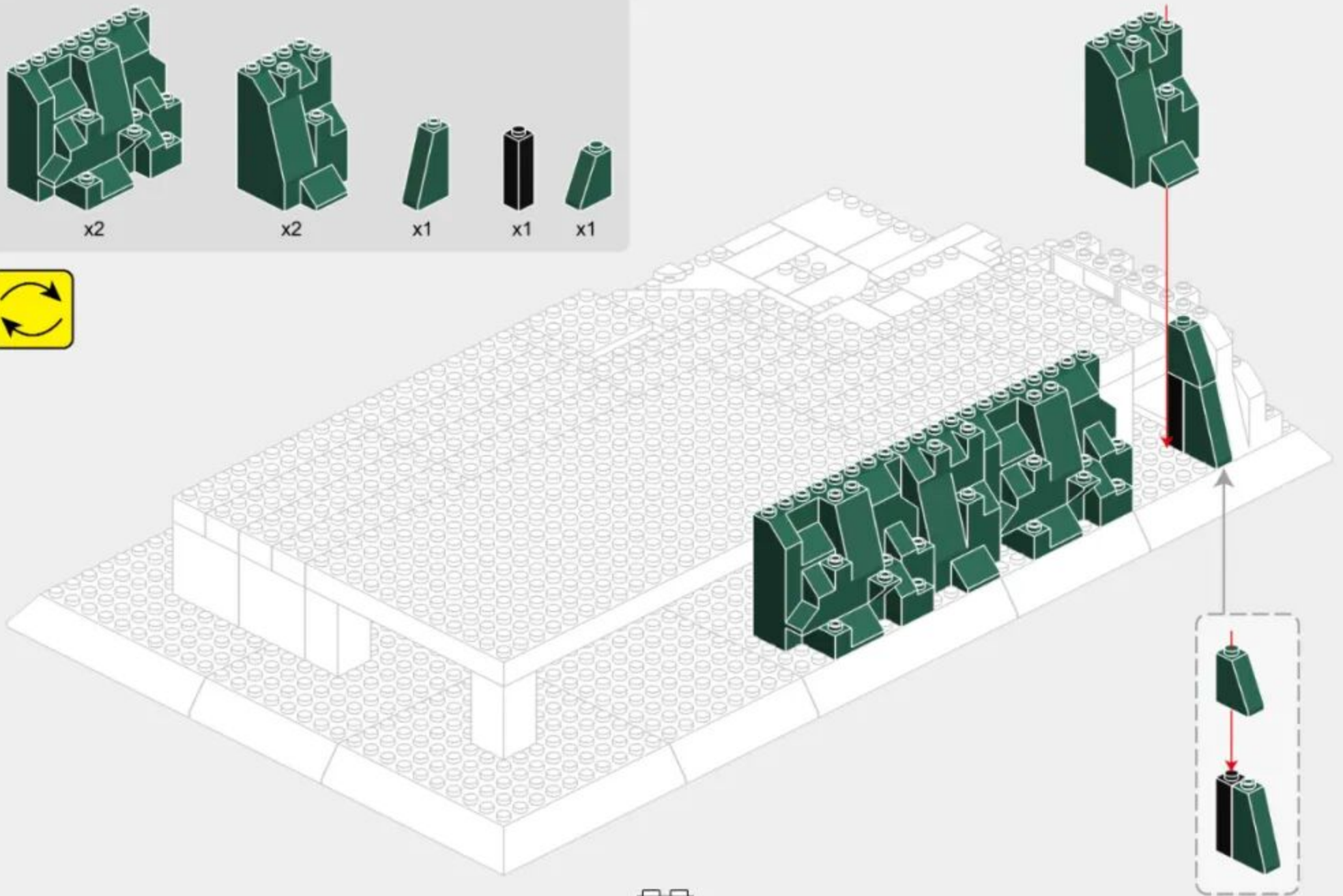
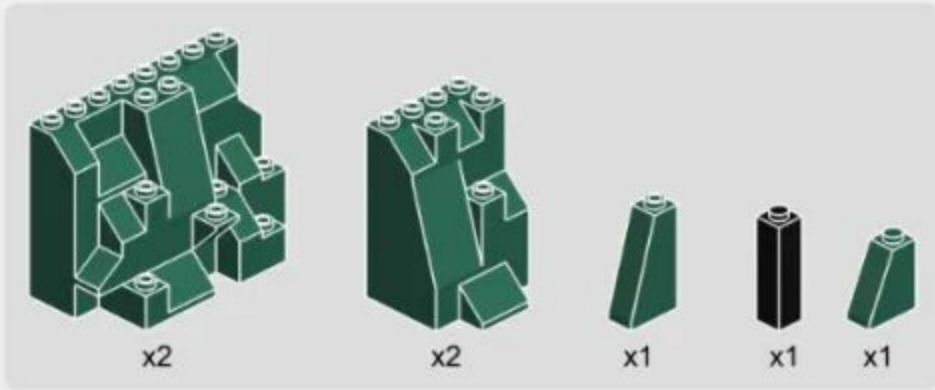
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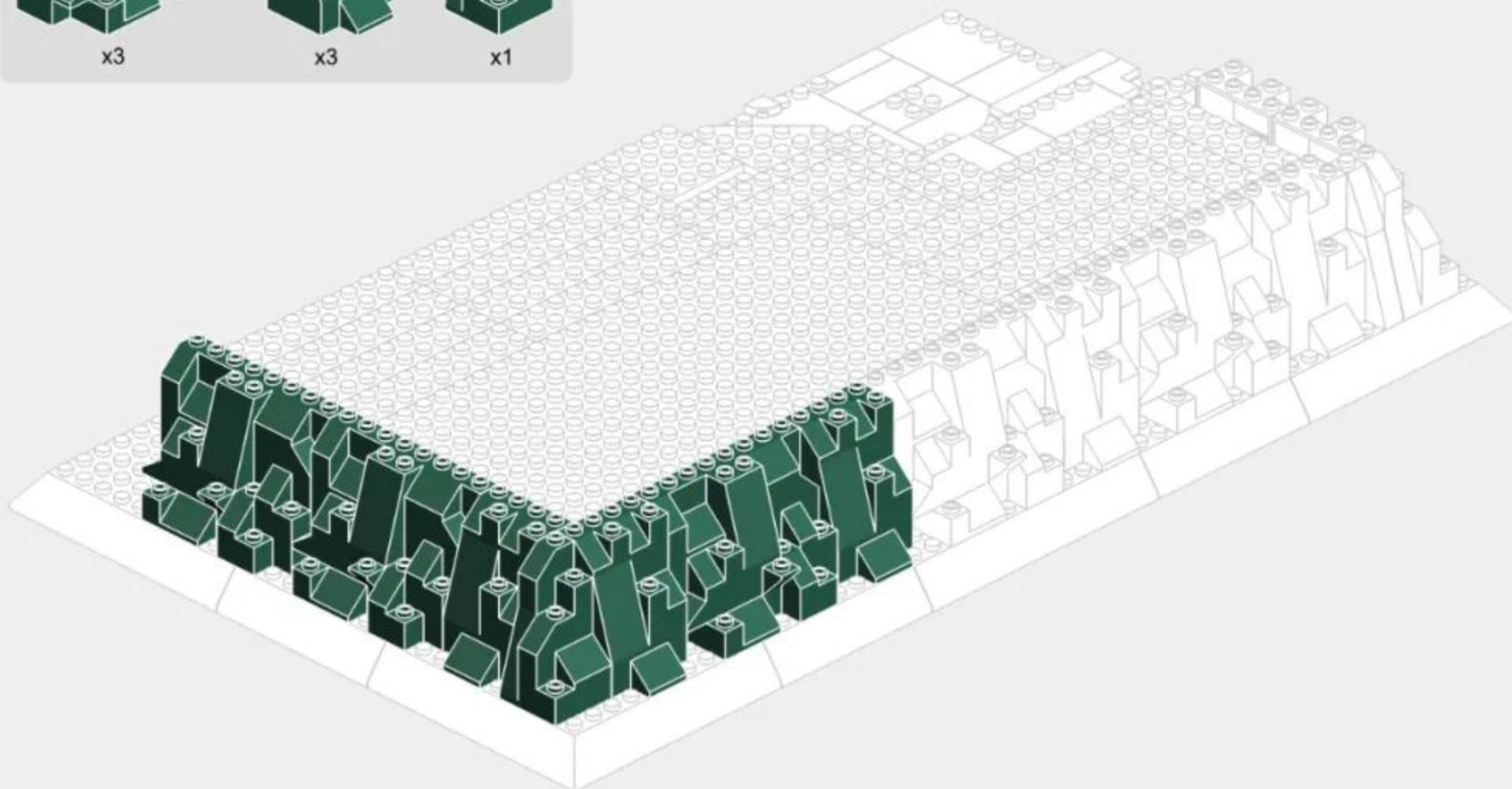
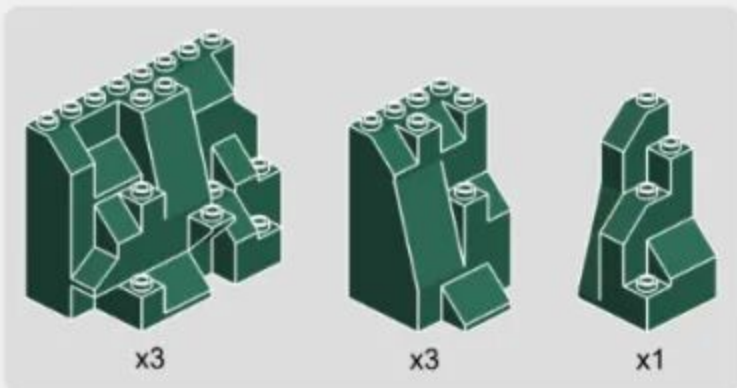
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1-18

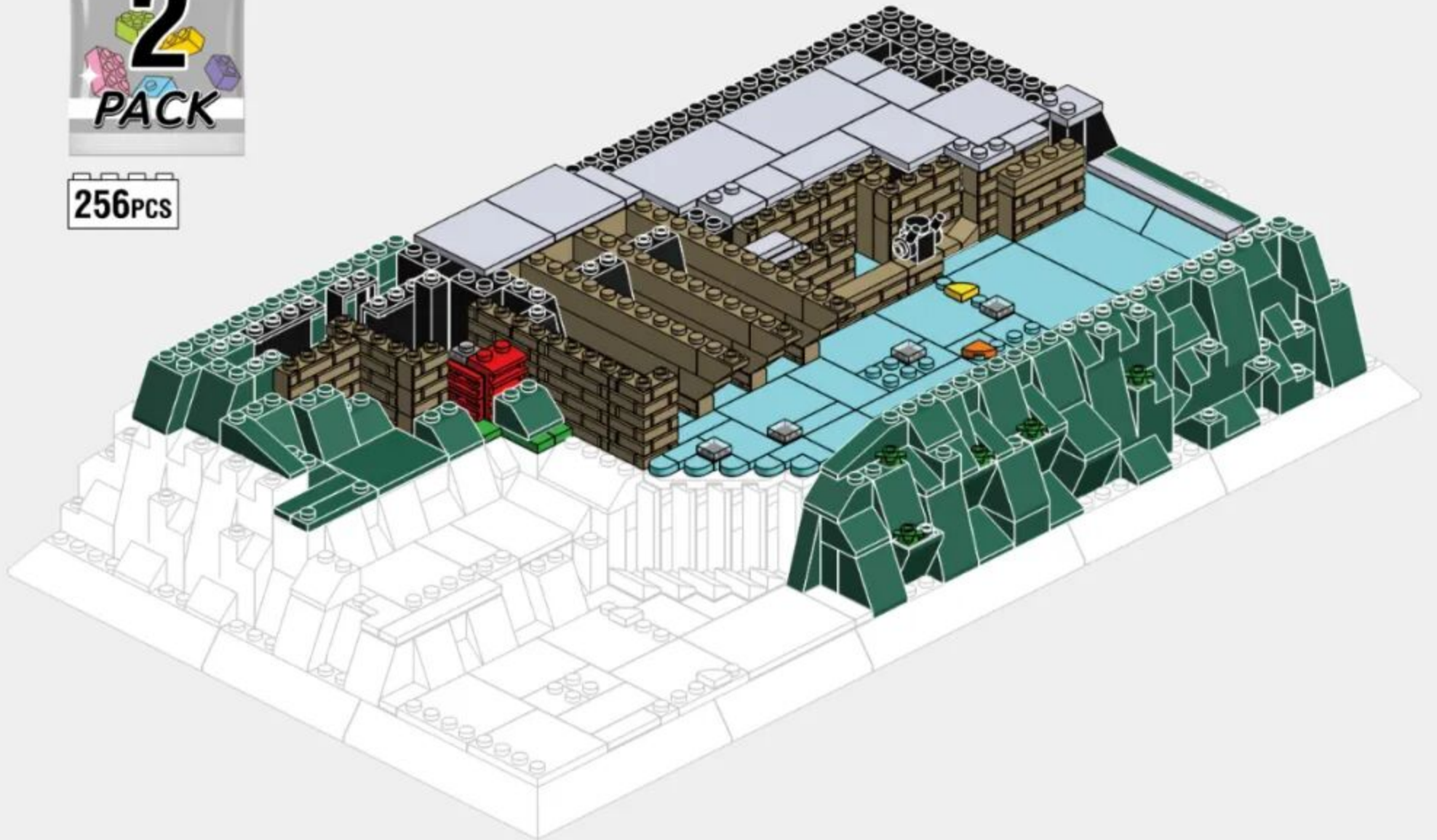


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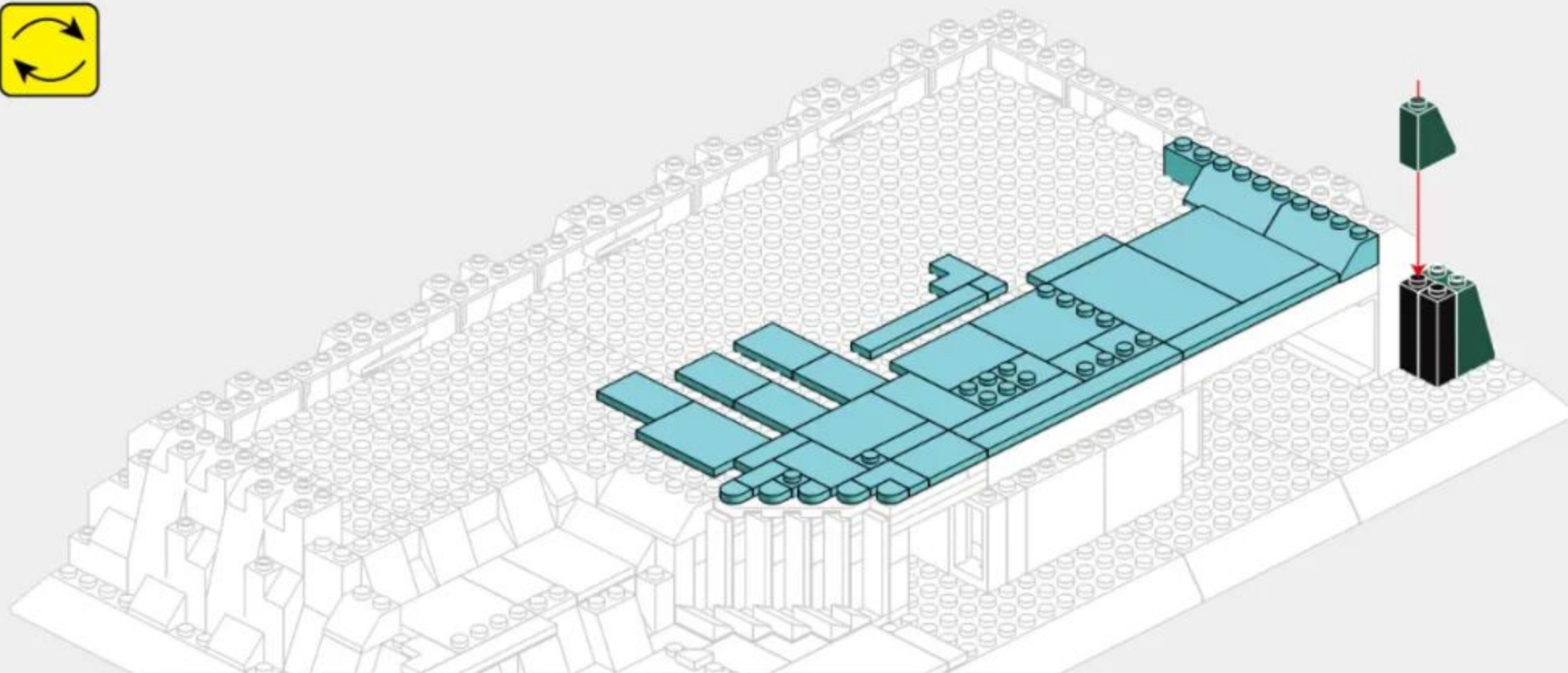
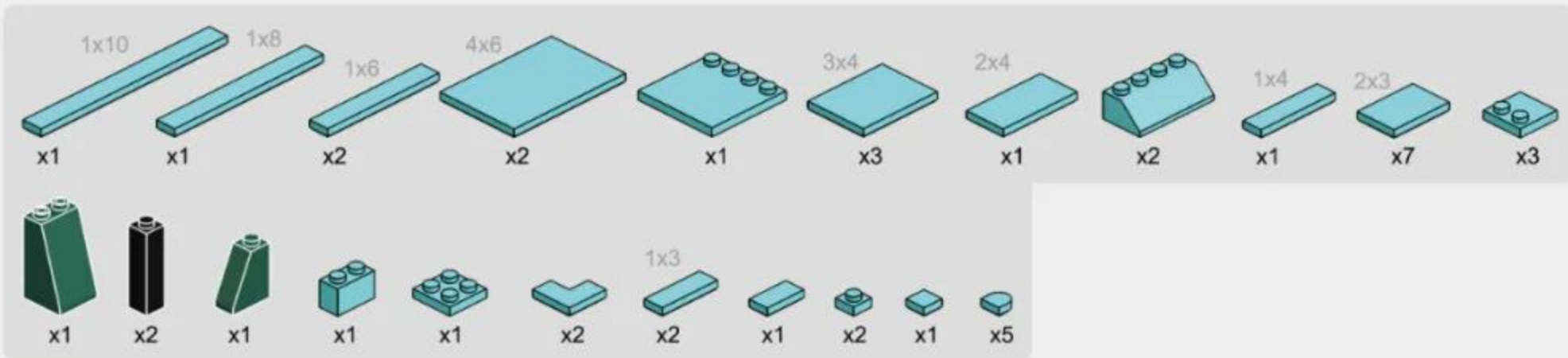


256PCS

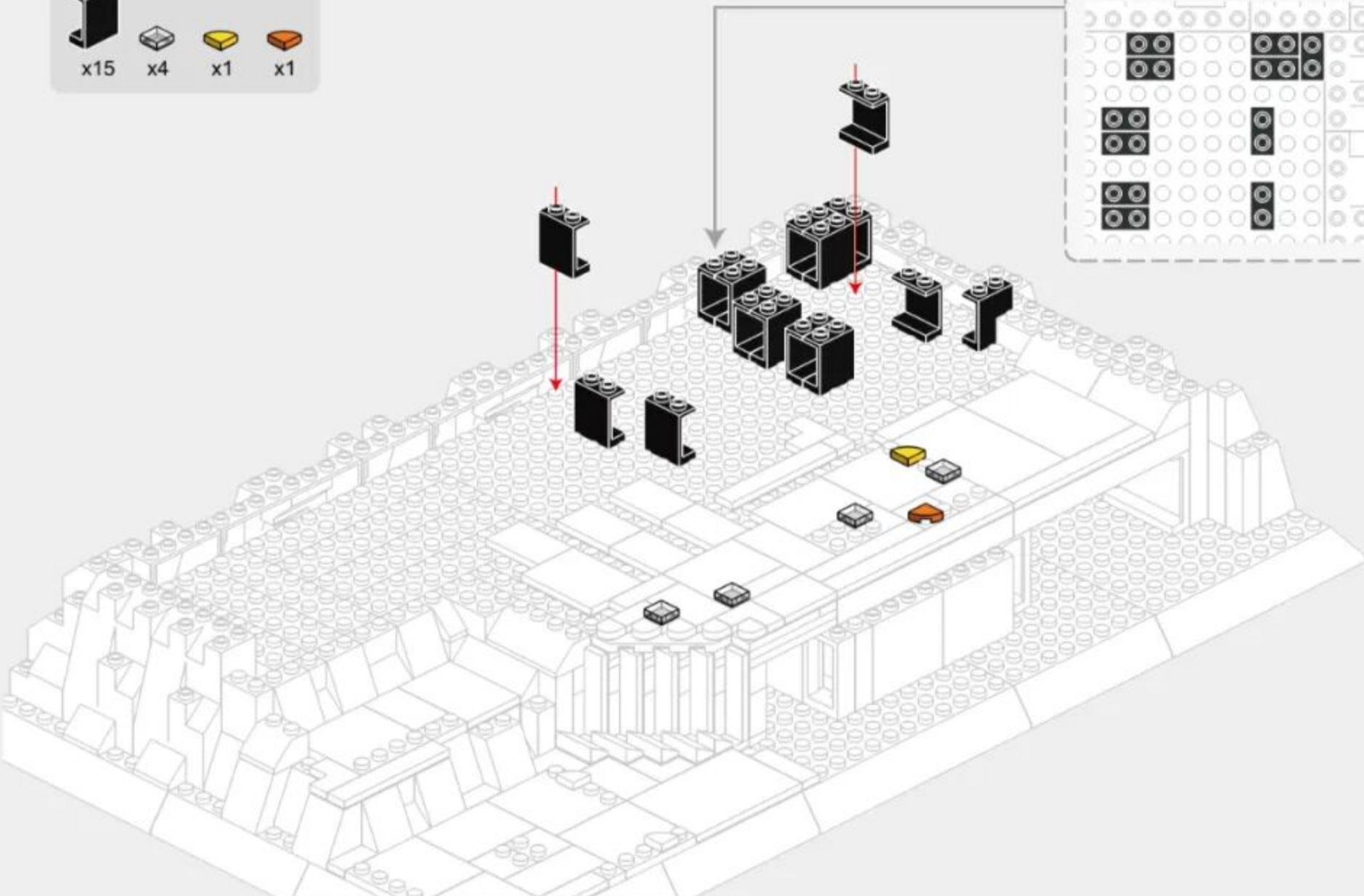
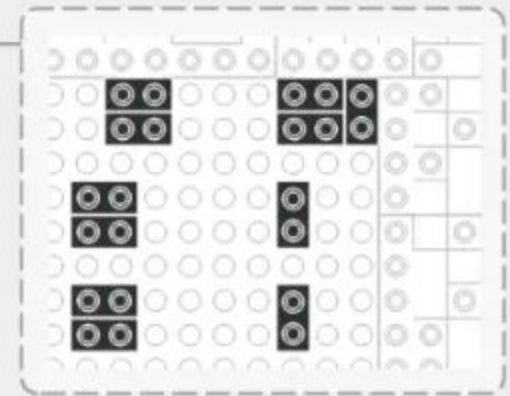


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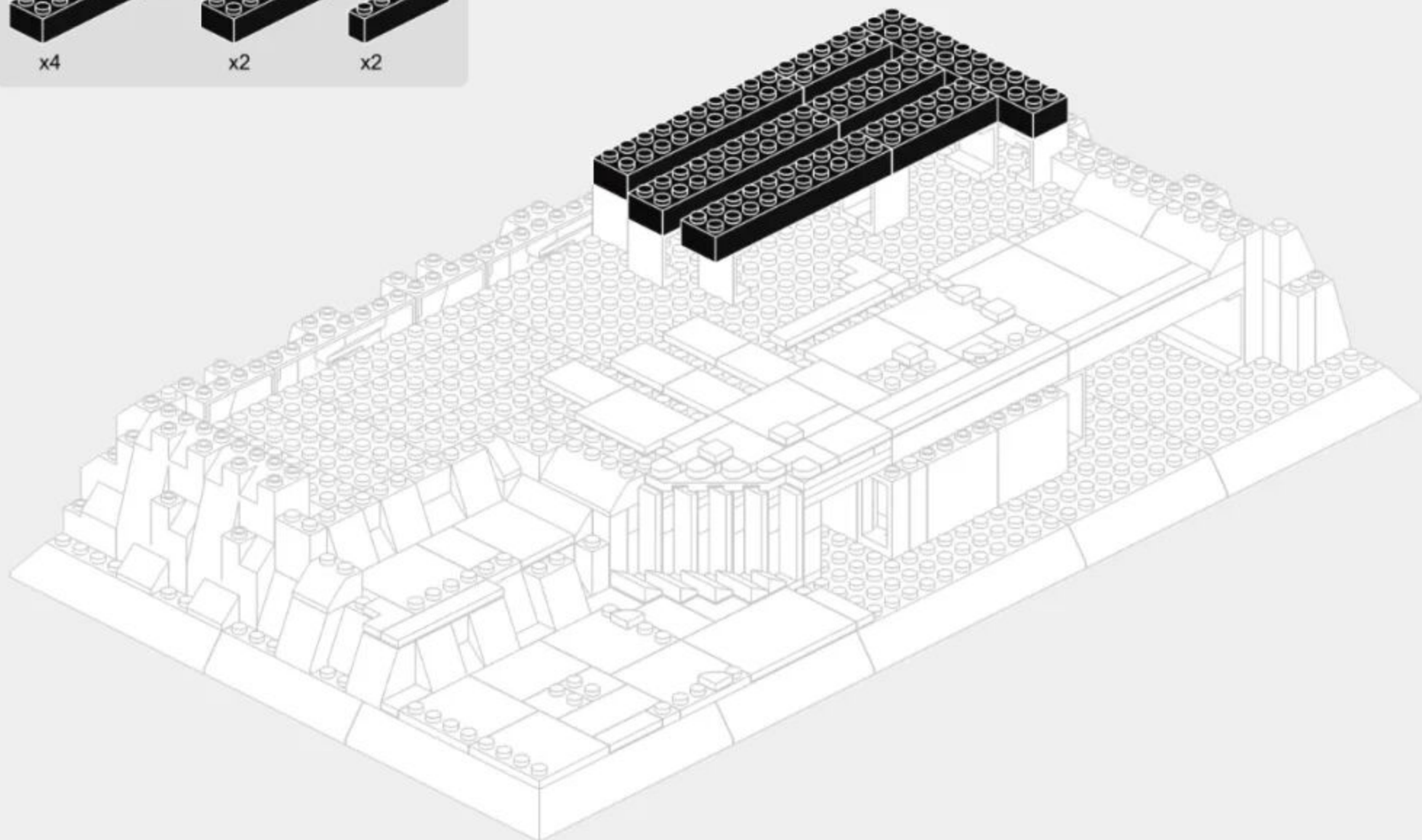
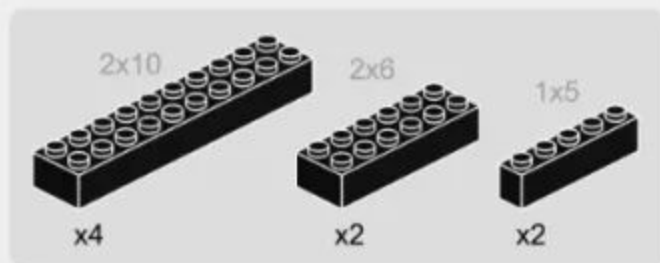
2-1



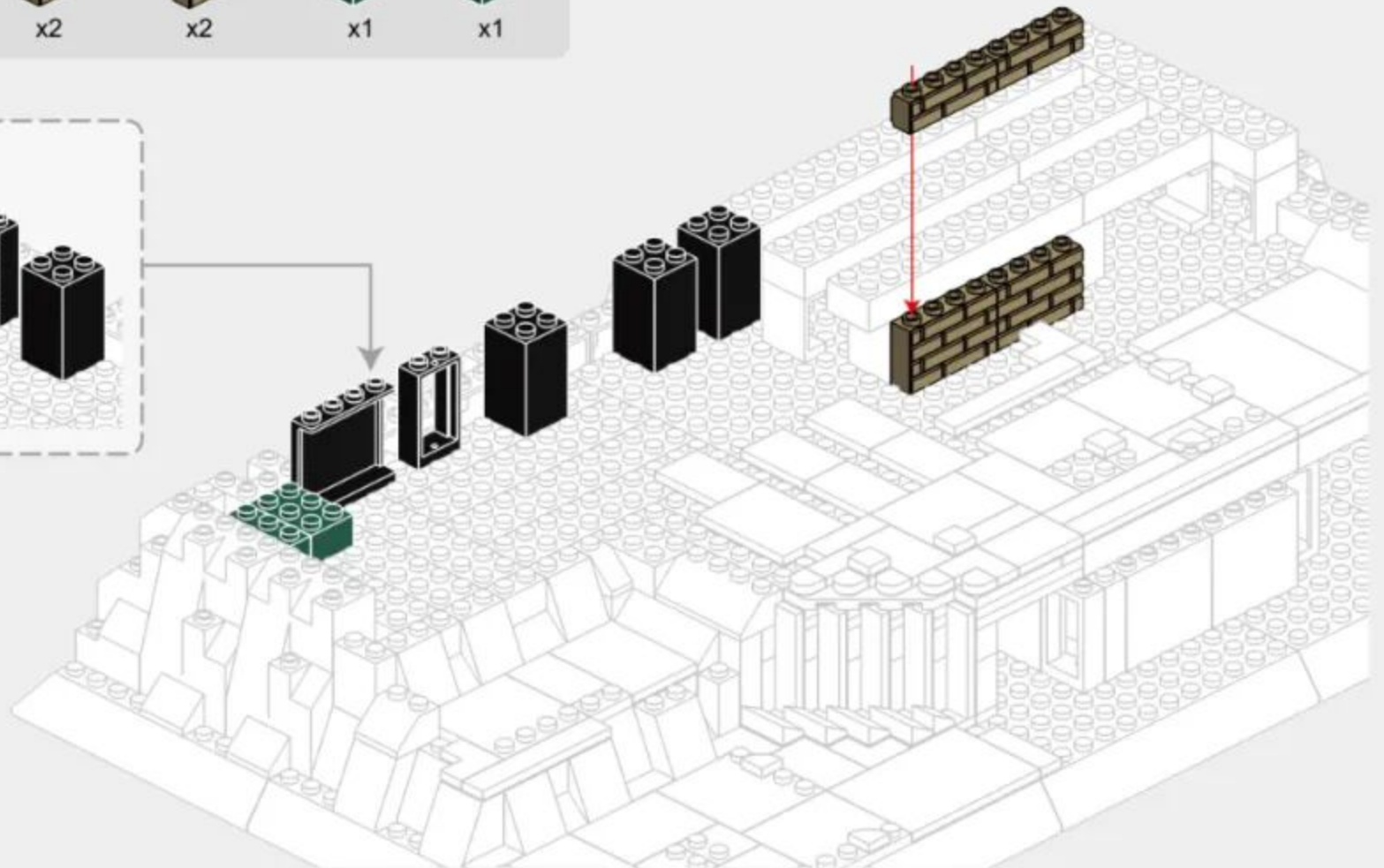
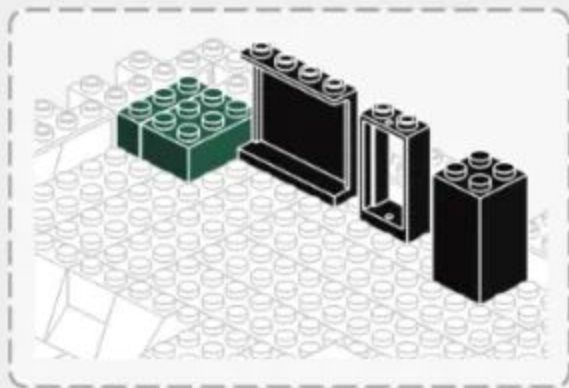
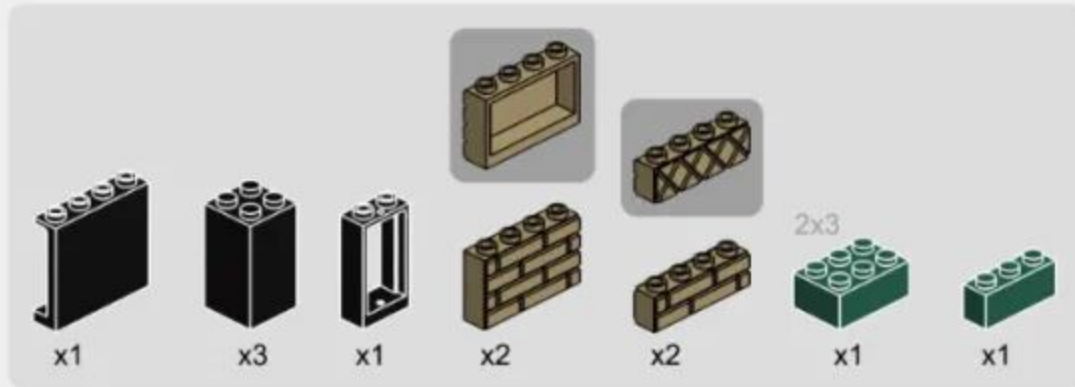
2-2



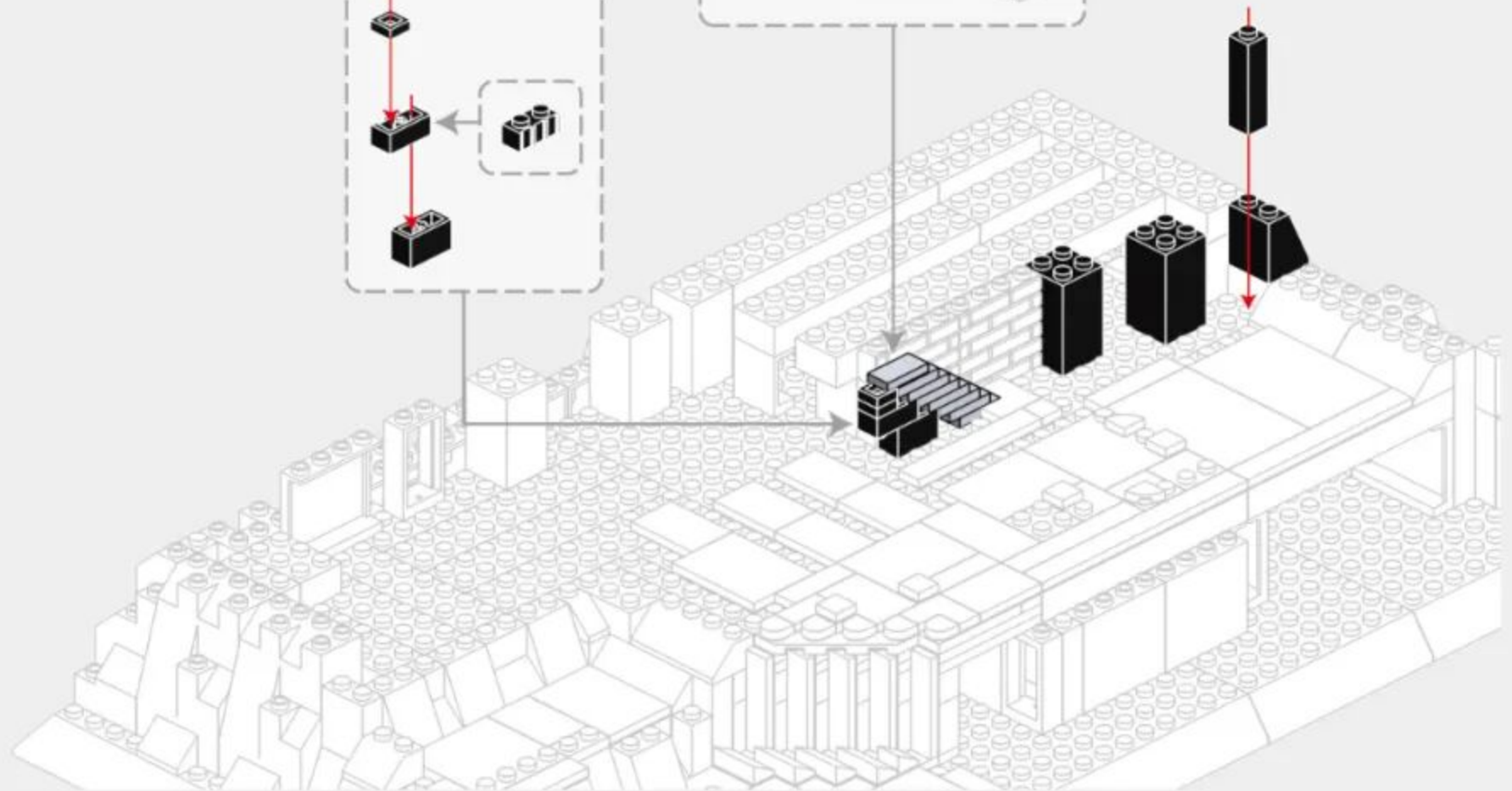
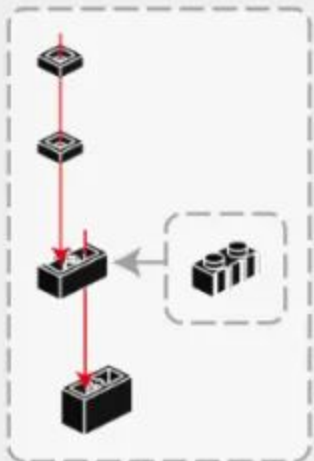
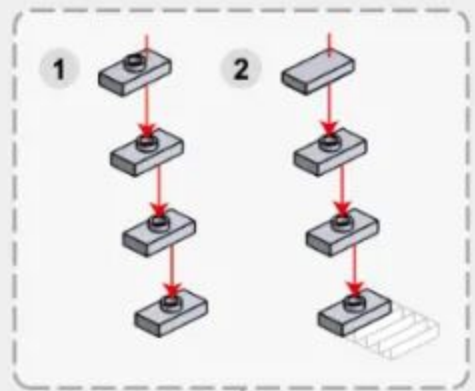
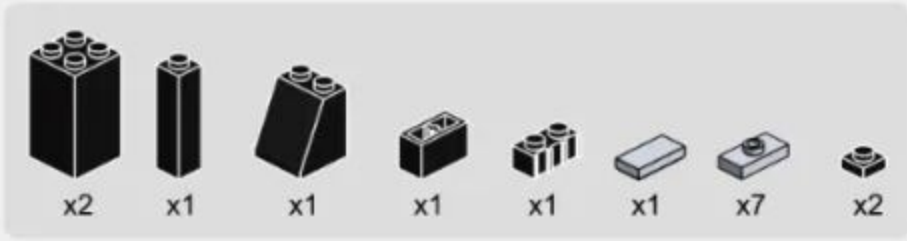
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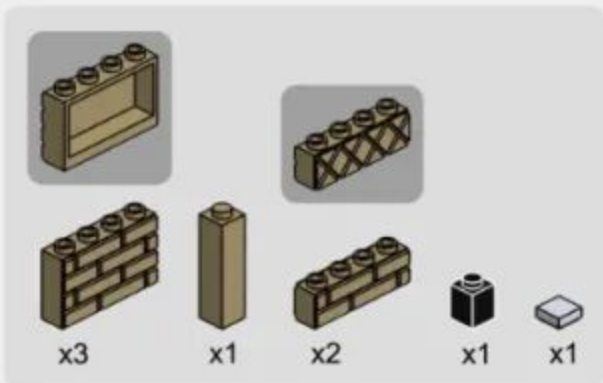
2-4



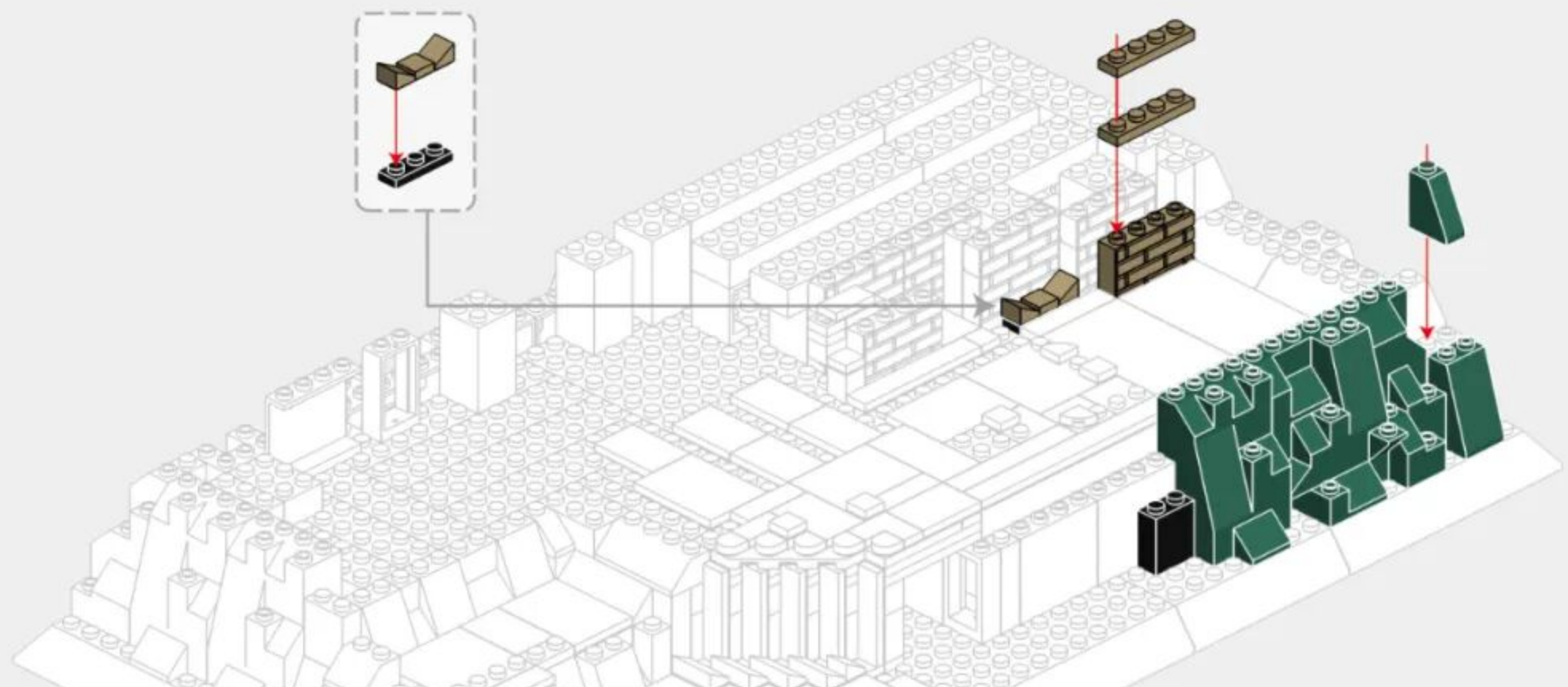
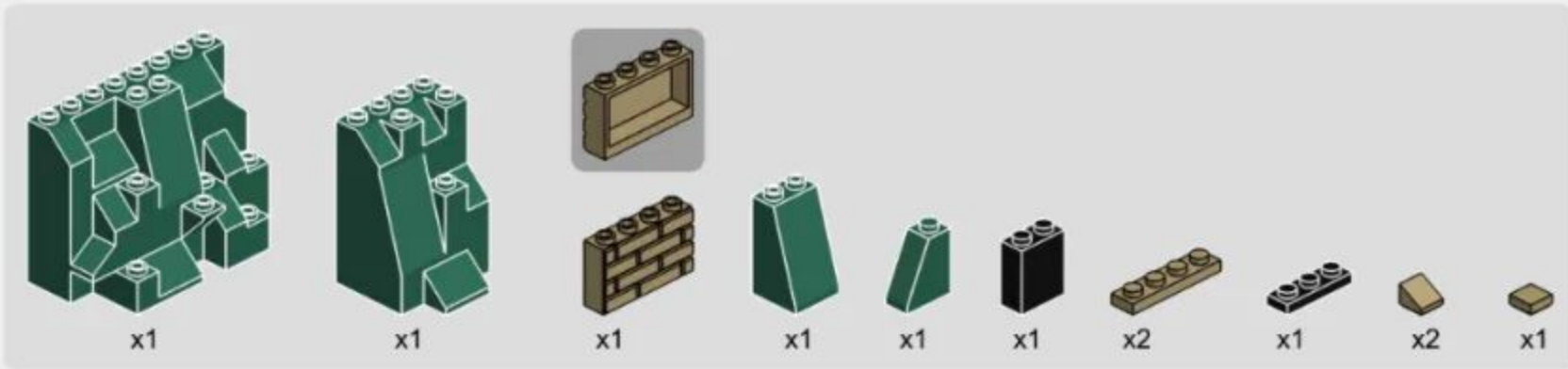
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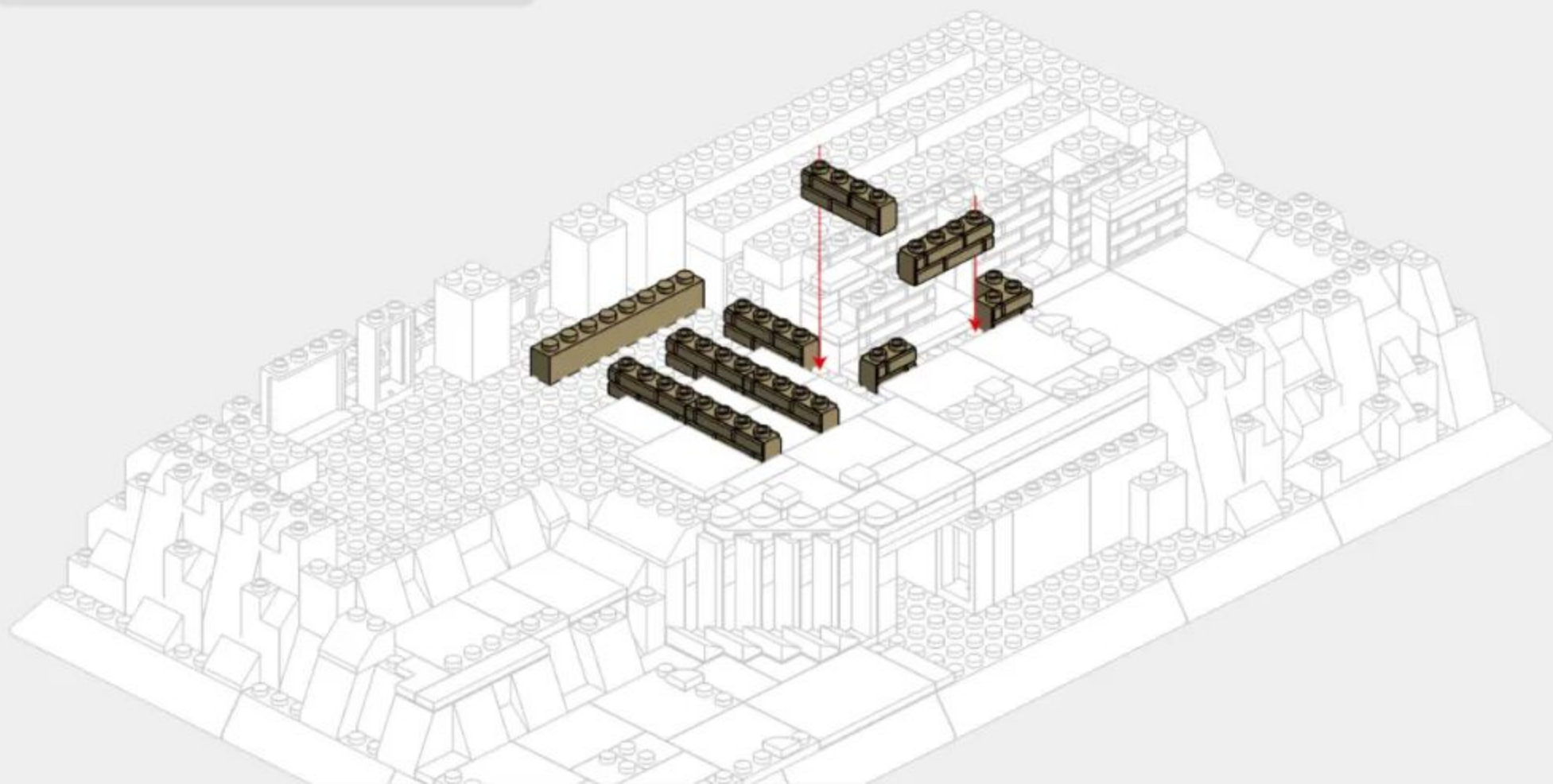
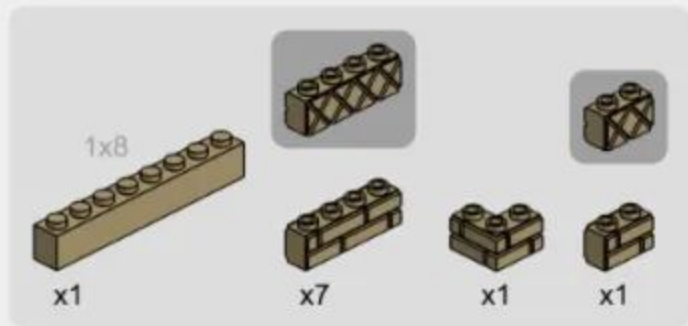
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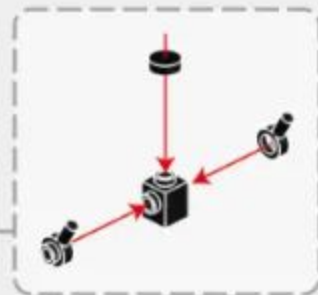
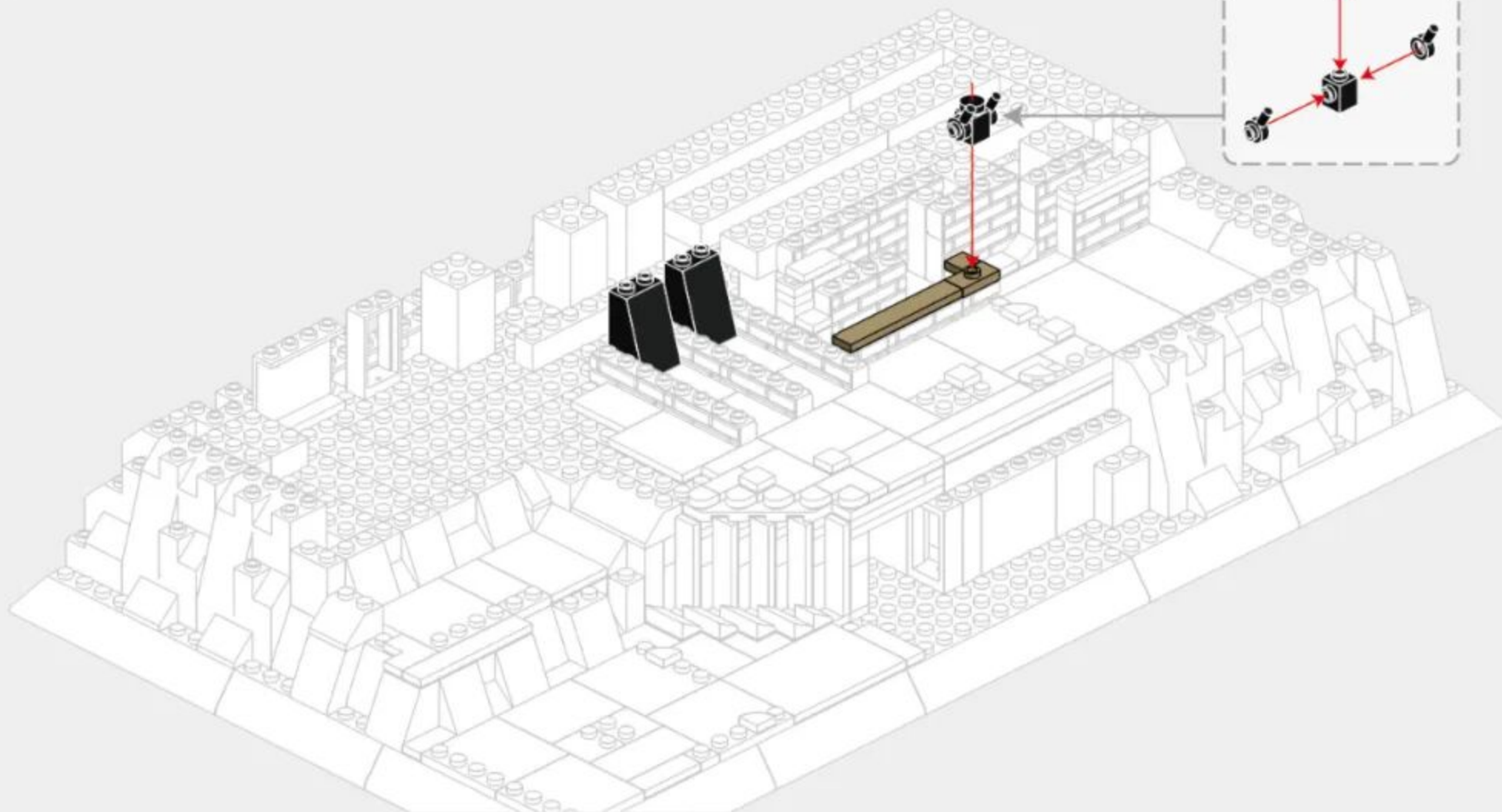
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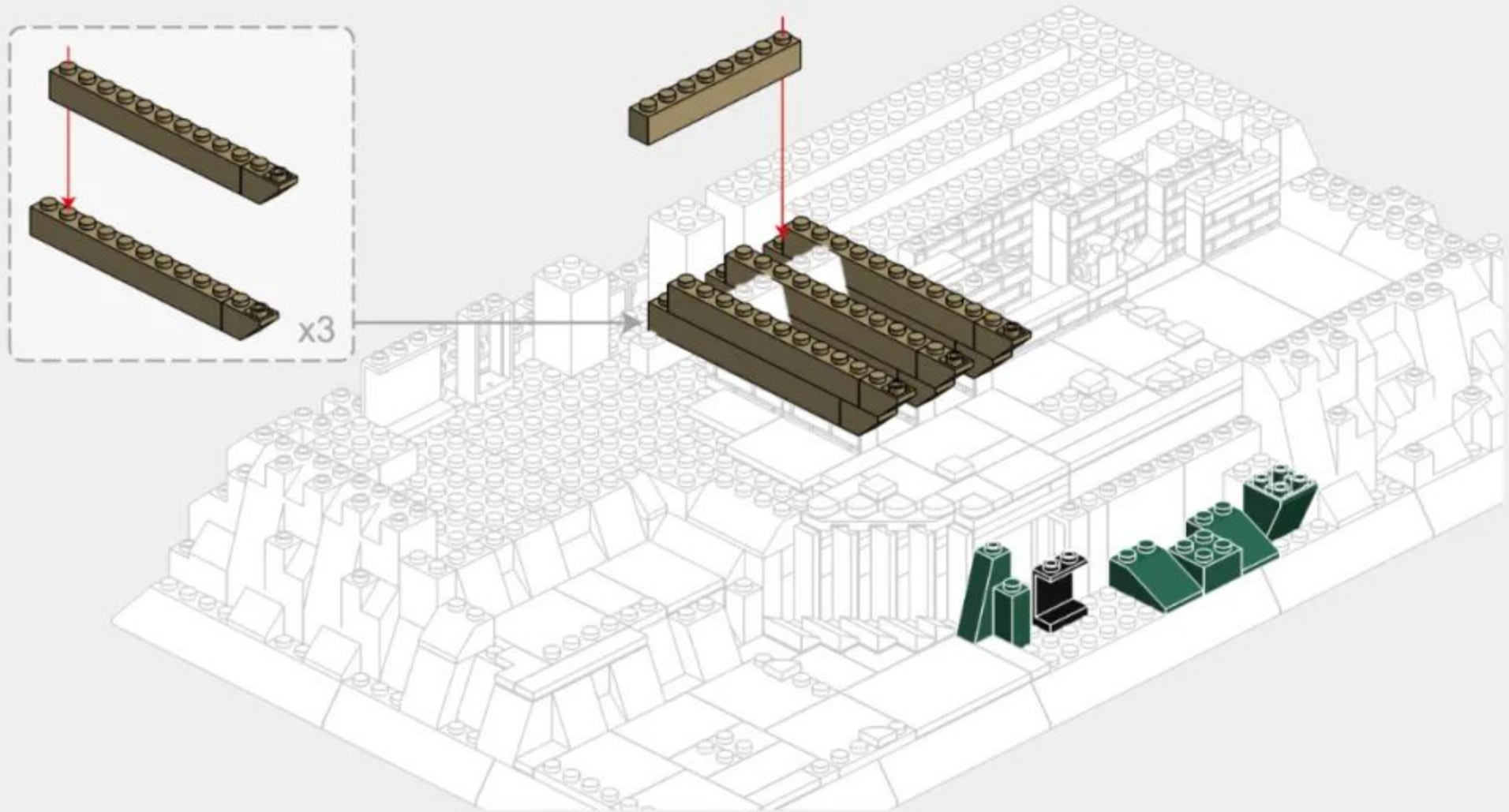
2-8



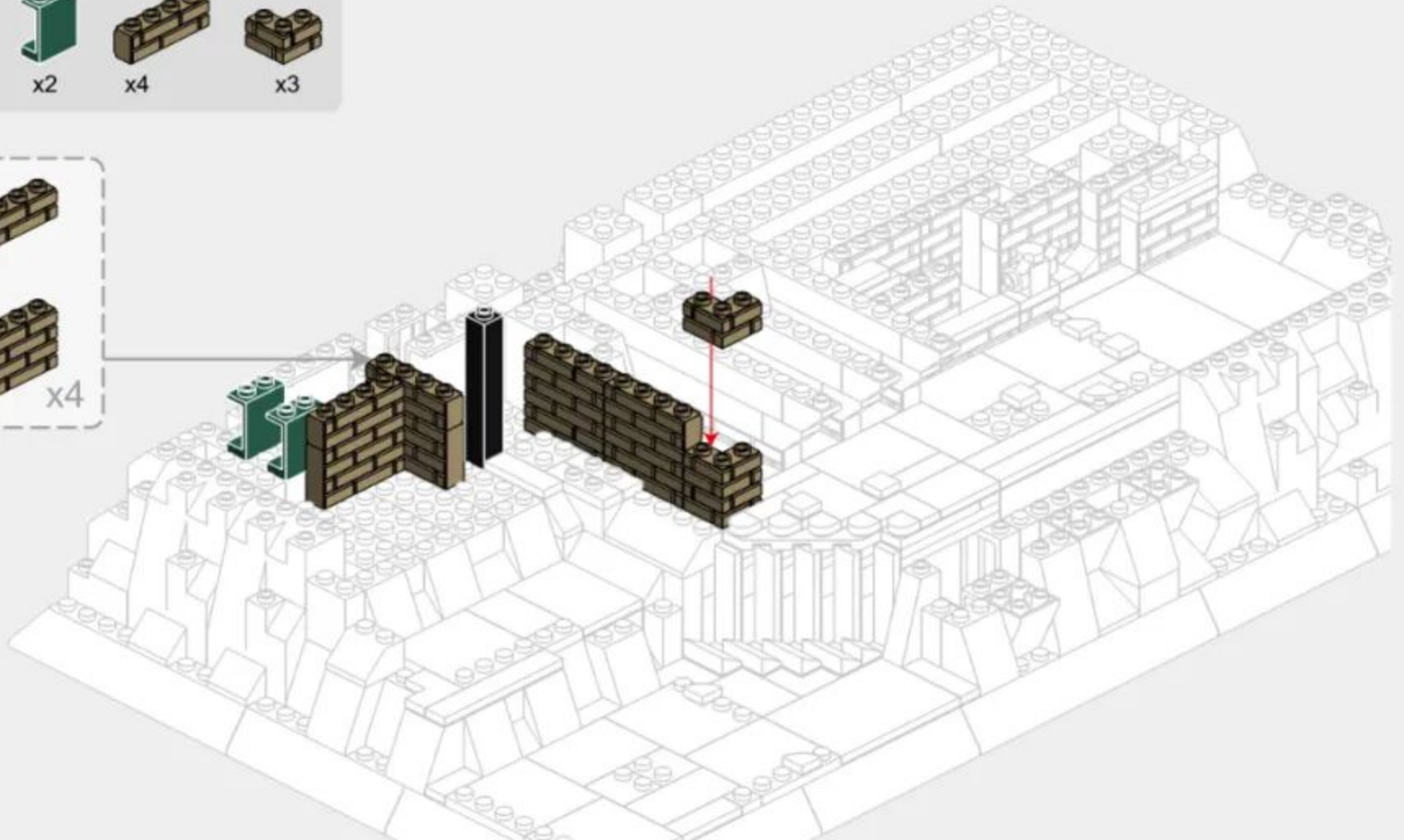
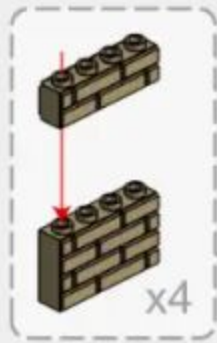
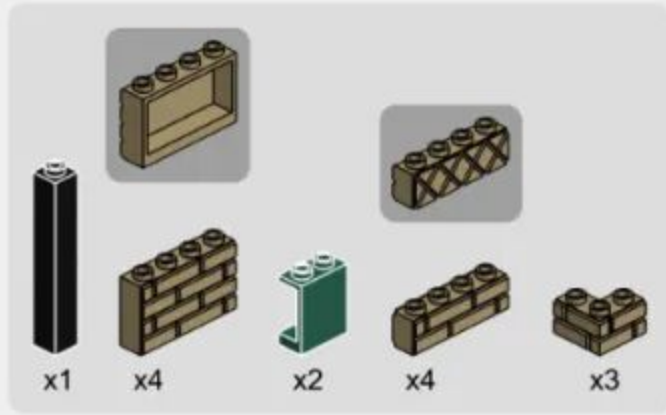
2-9



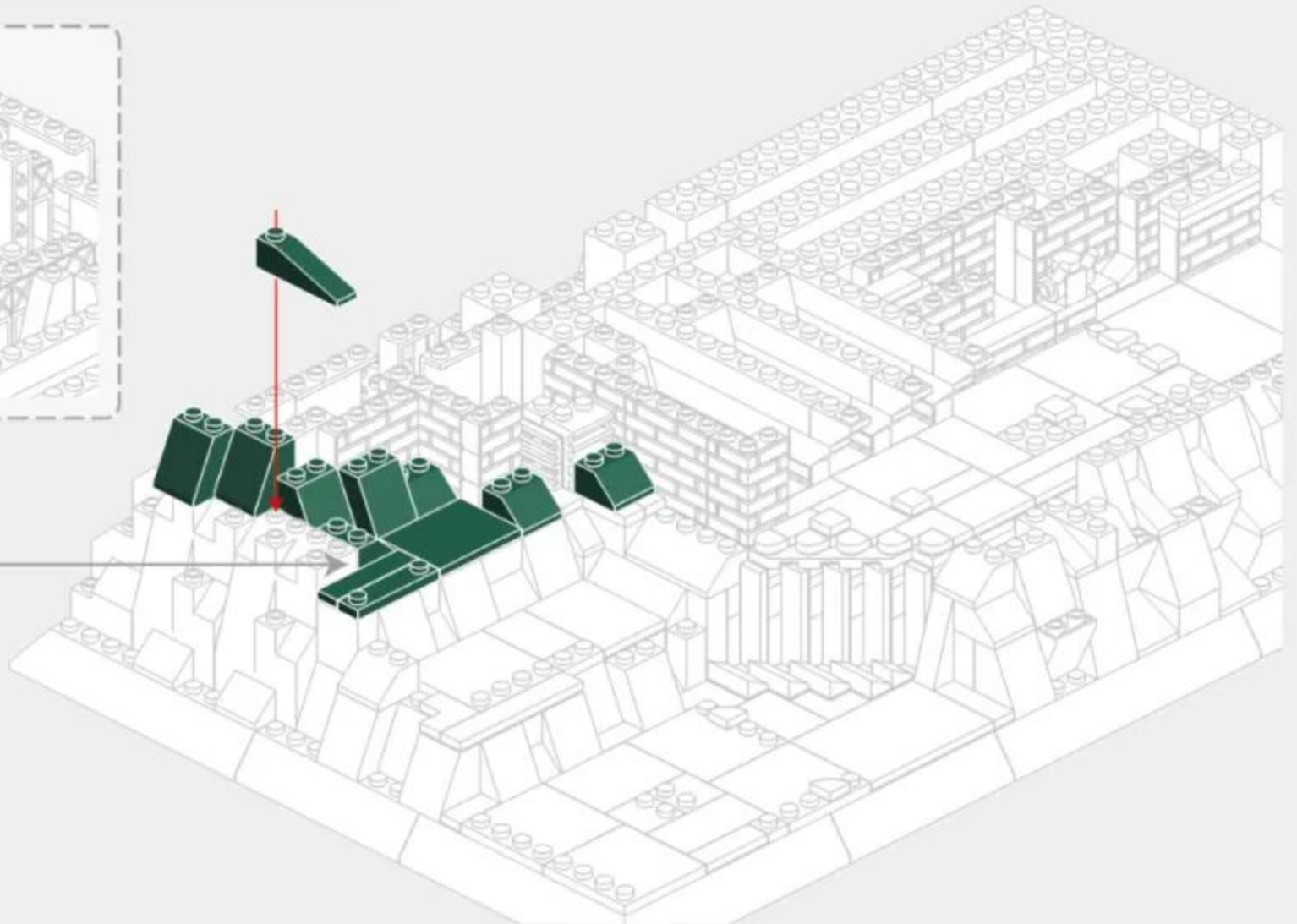
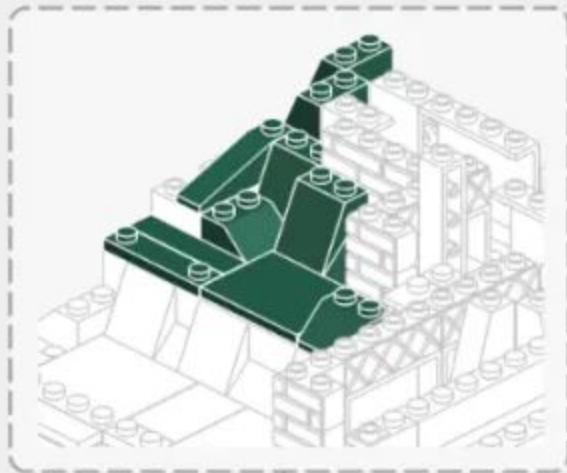
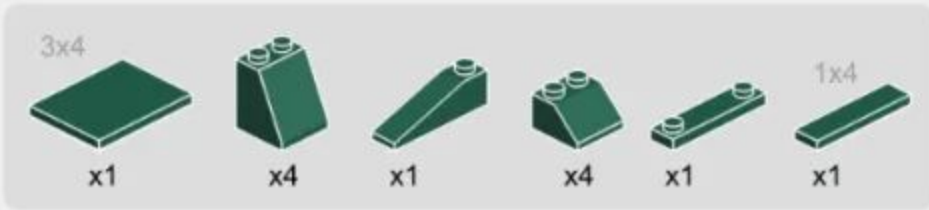
2-10



2-12



2-14



2-15

4x6 x2 4x4 x3 3x4 x1 1x8 x1 1x8 x1 2x4 x1 2x3 x1 2x2 x2 1x3 x1 1x2 x1

1x3 x2 1x3 x1 1x2 x1 1x2 x1 1x2 x5

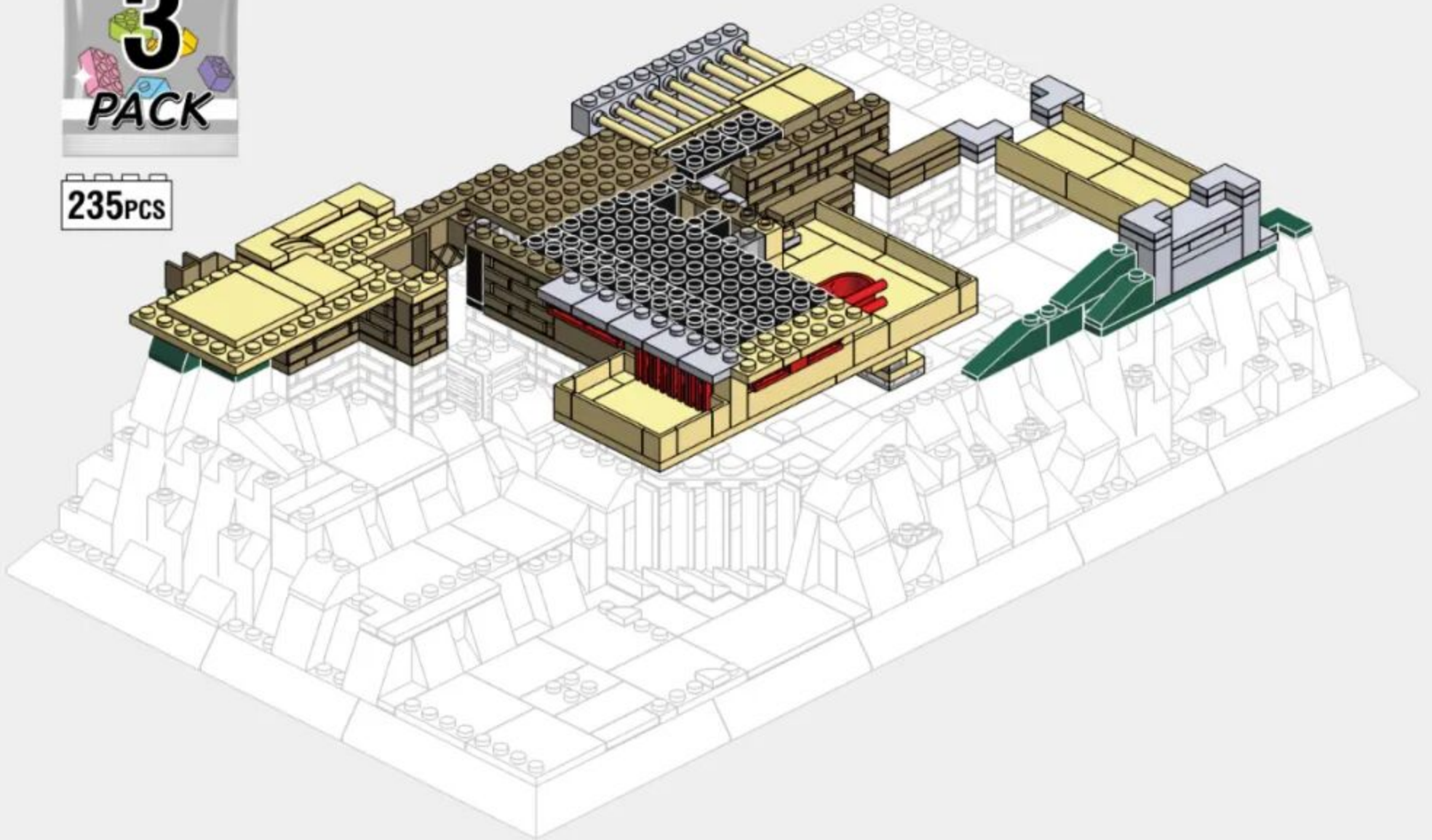


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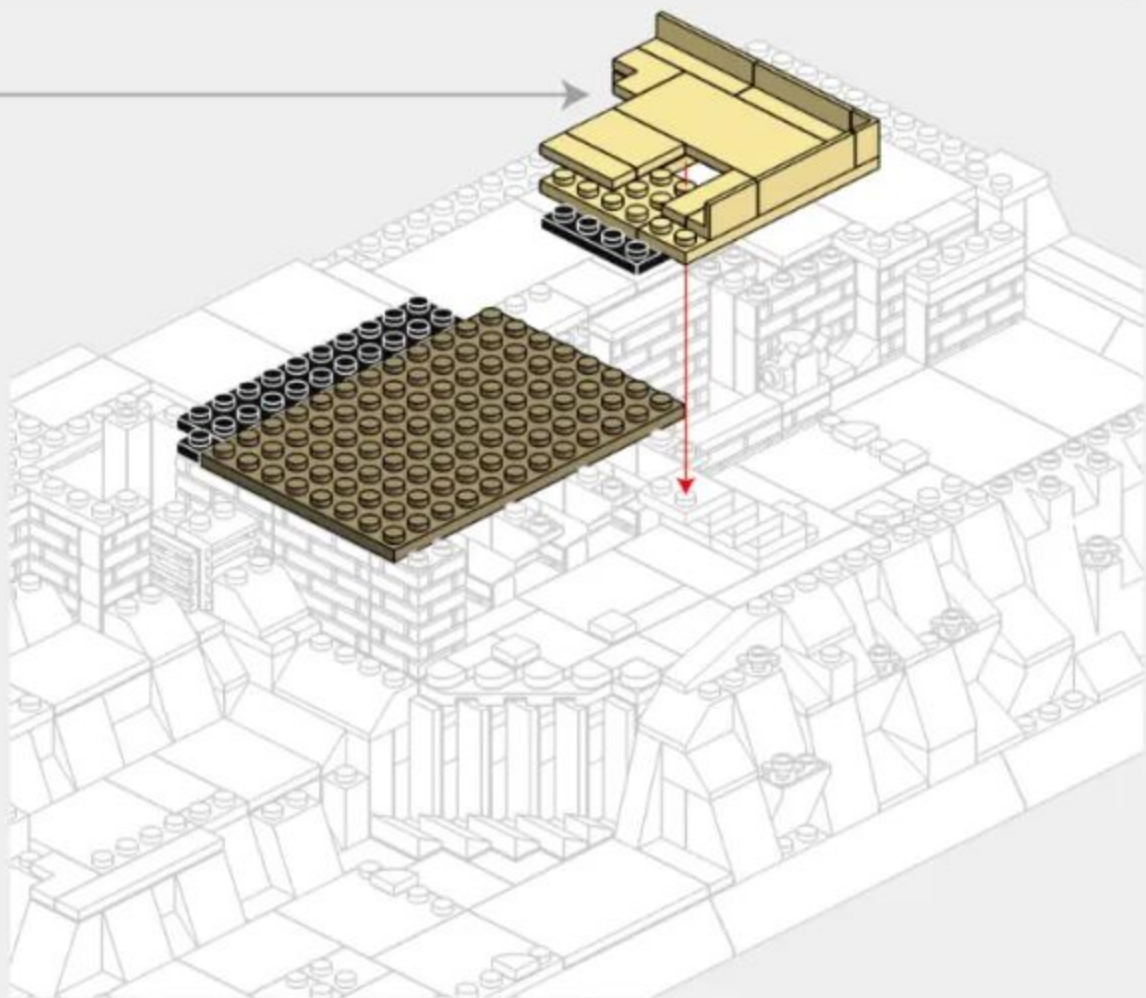
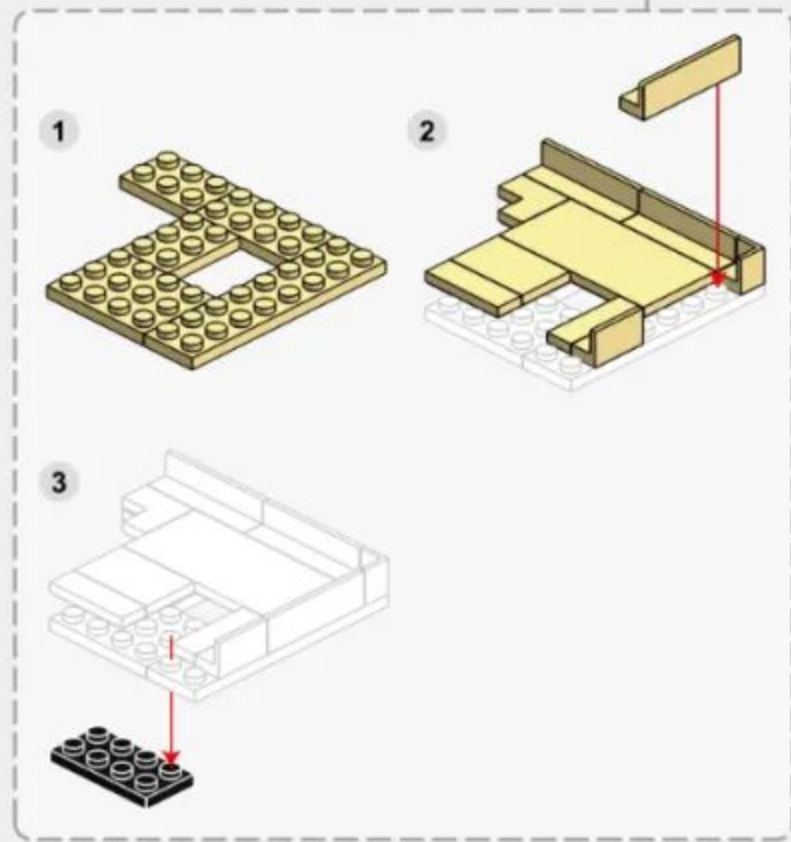
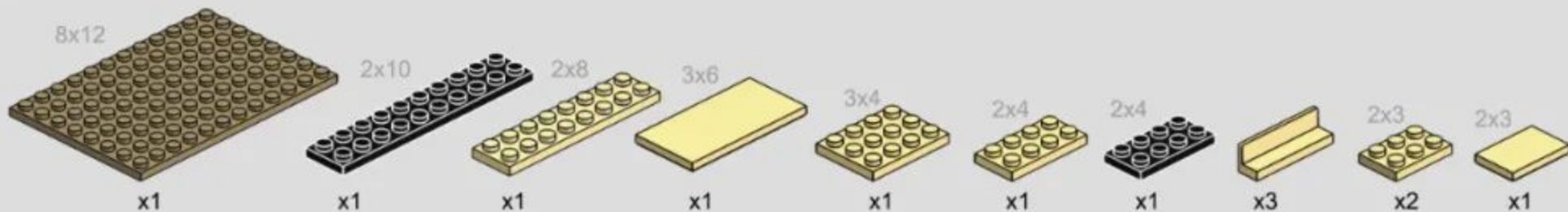




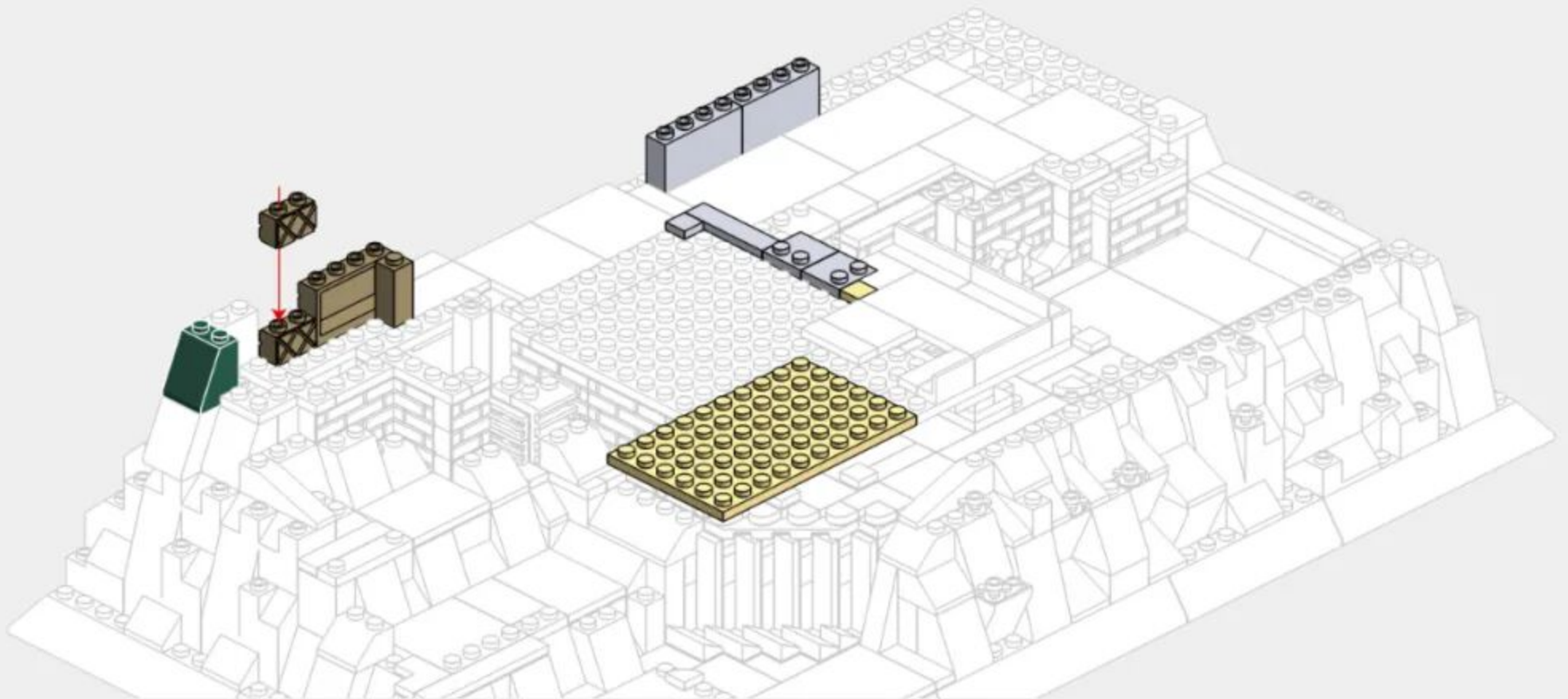
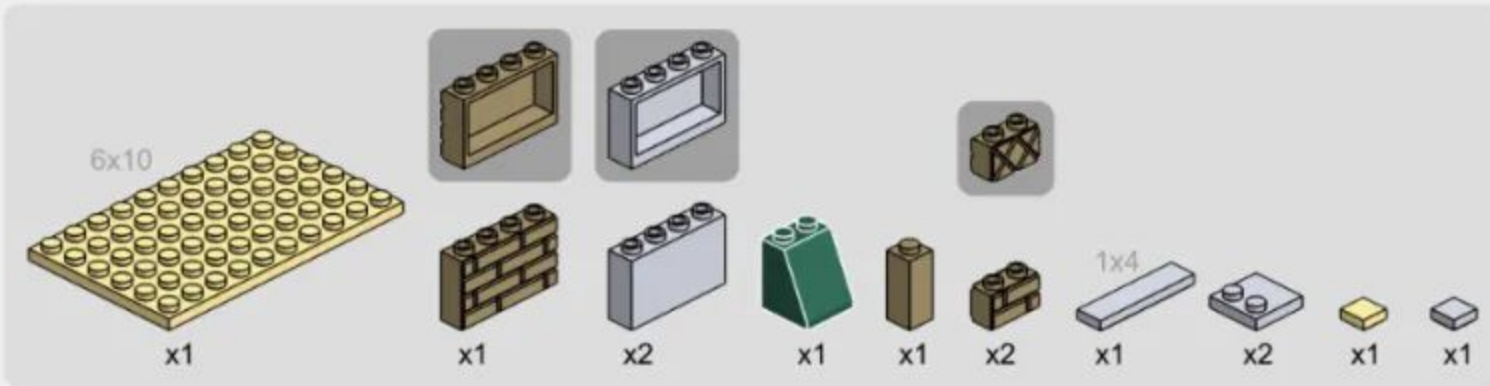
235PCS



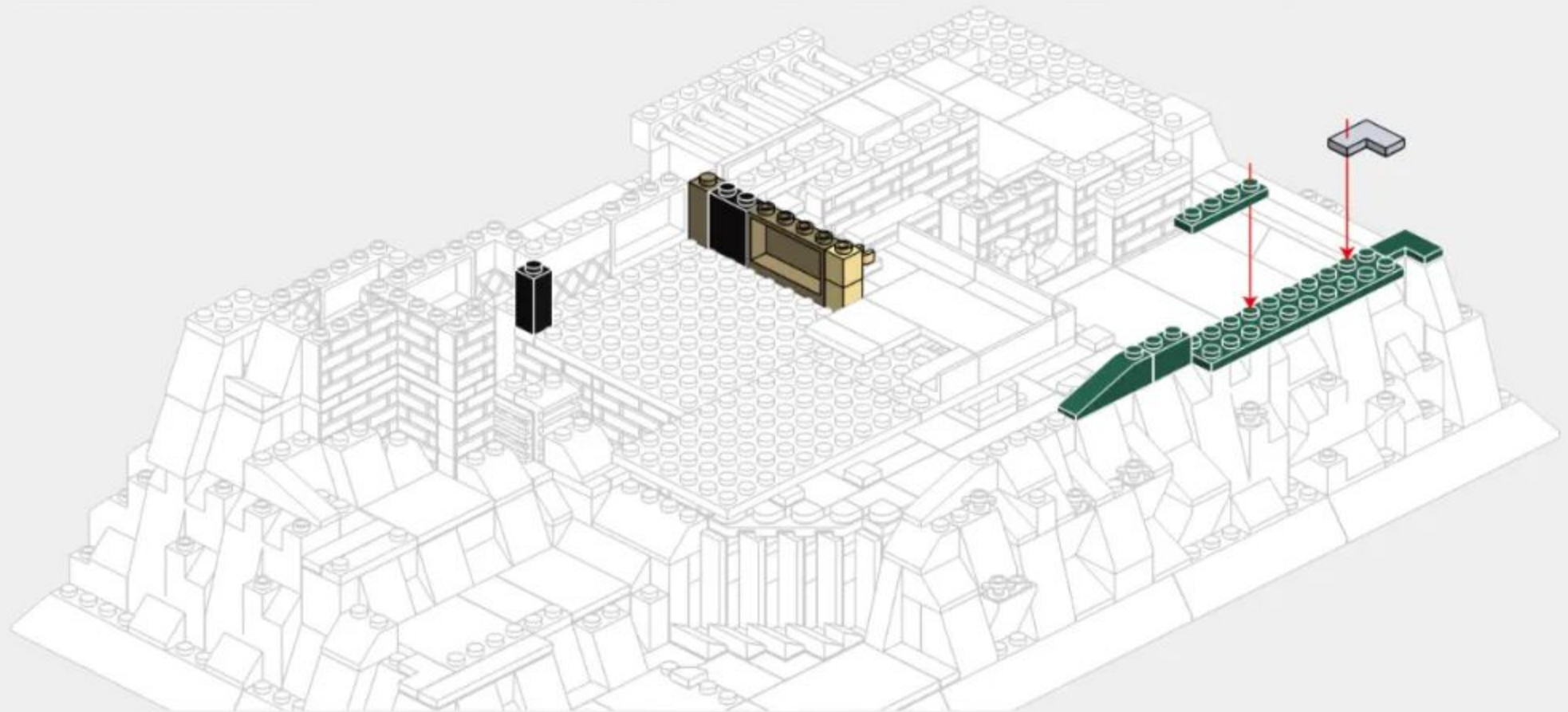
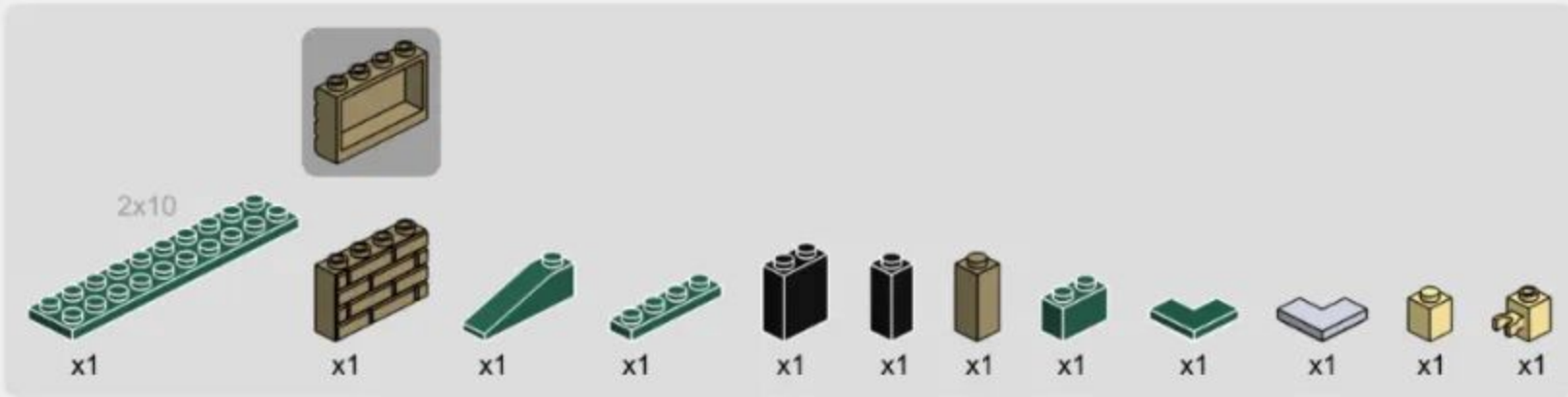
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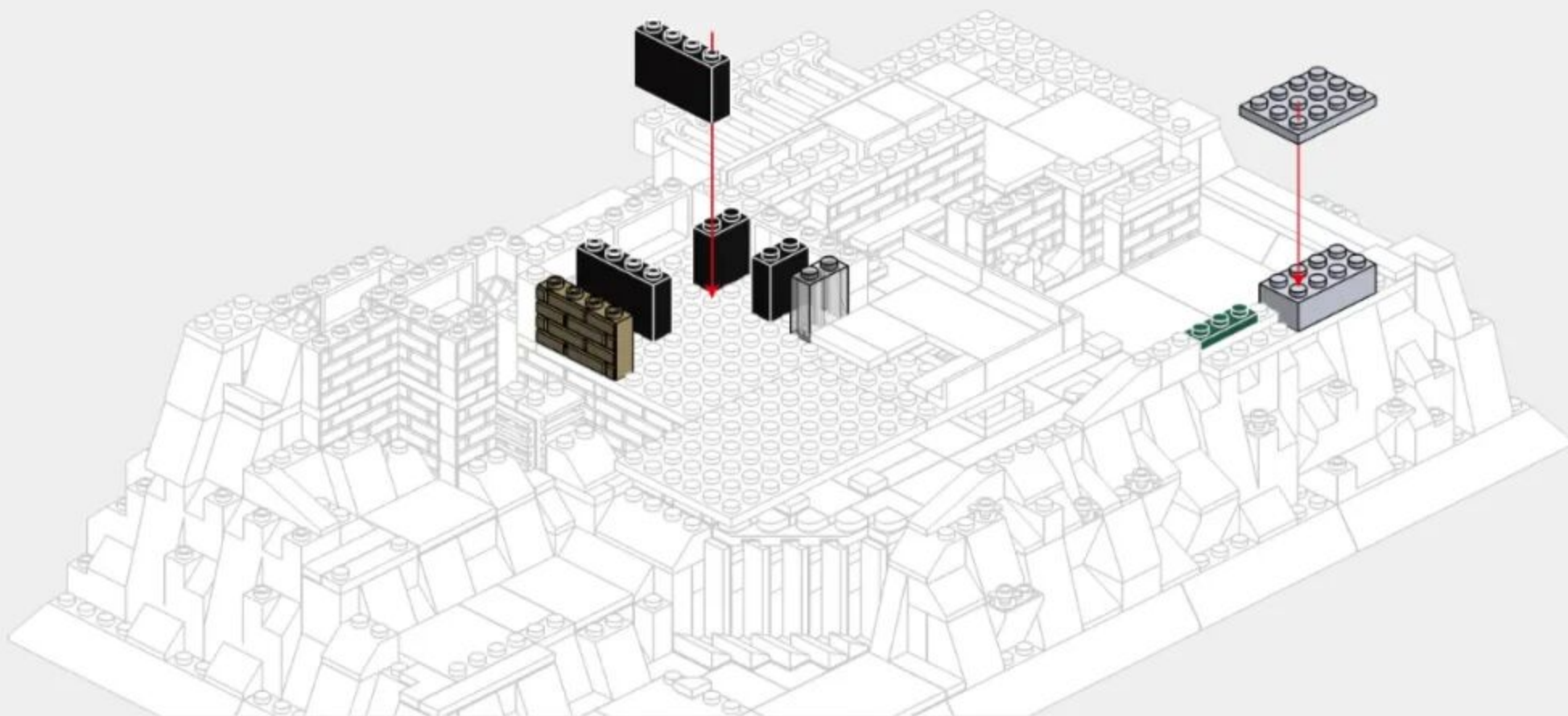
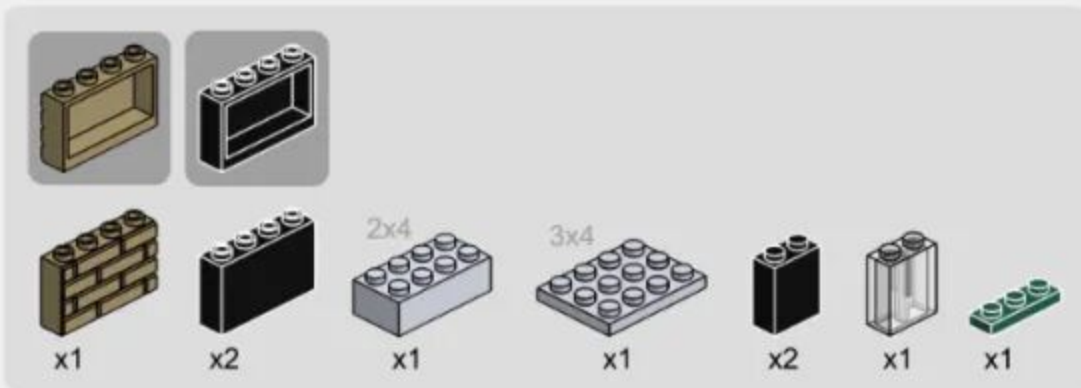
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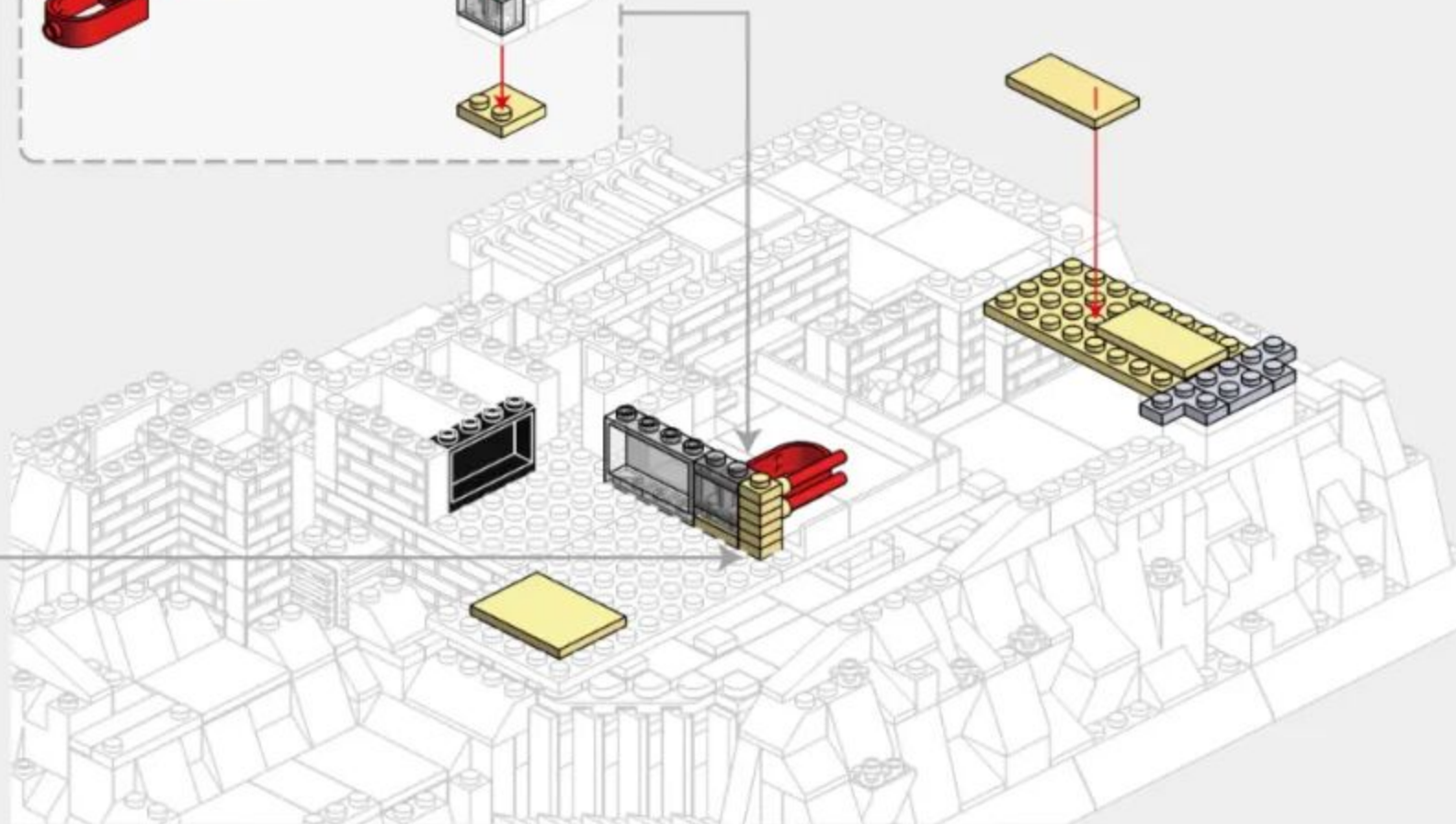
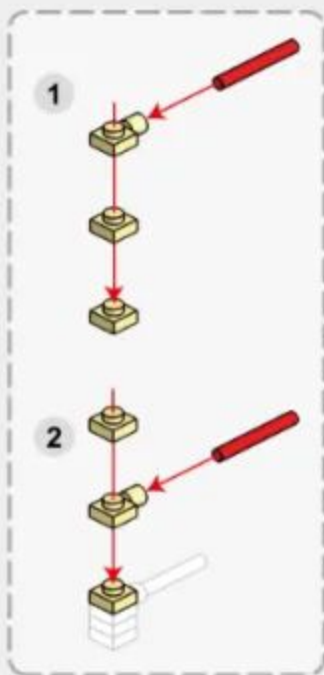
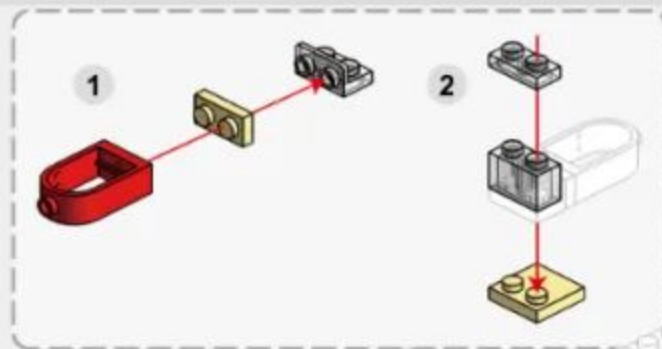
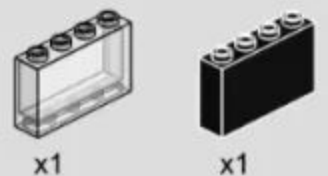
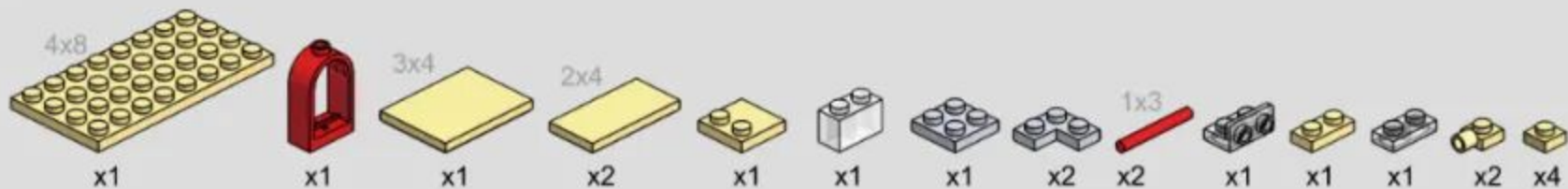
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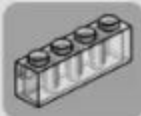
3-8



3-9



3-10



x1



x2



x1

1x5



x1



x1



x4



x1



x1



x1



x2



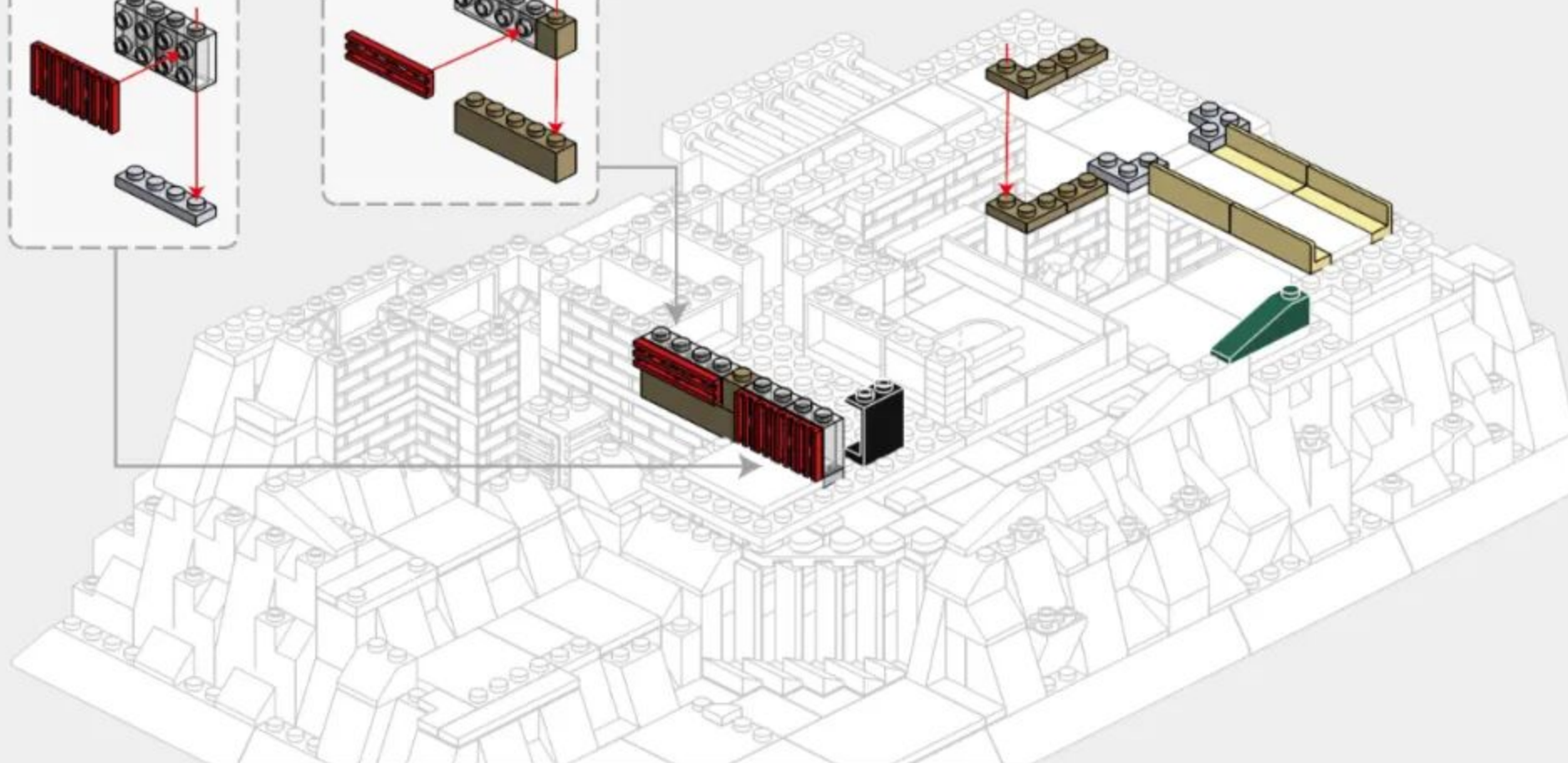
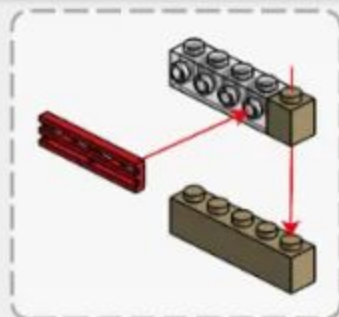
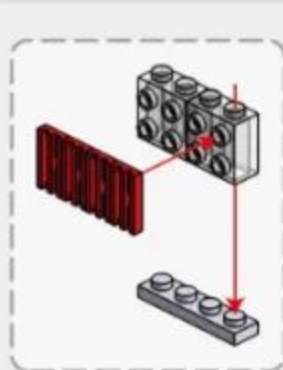
x2



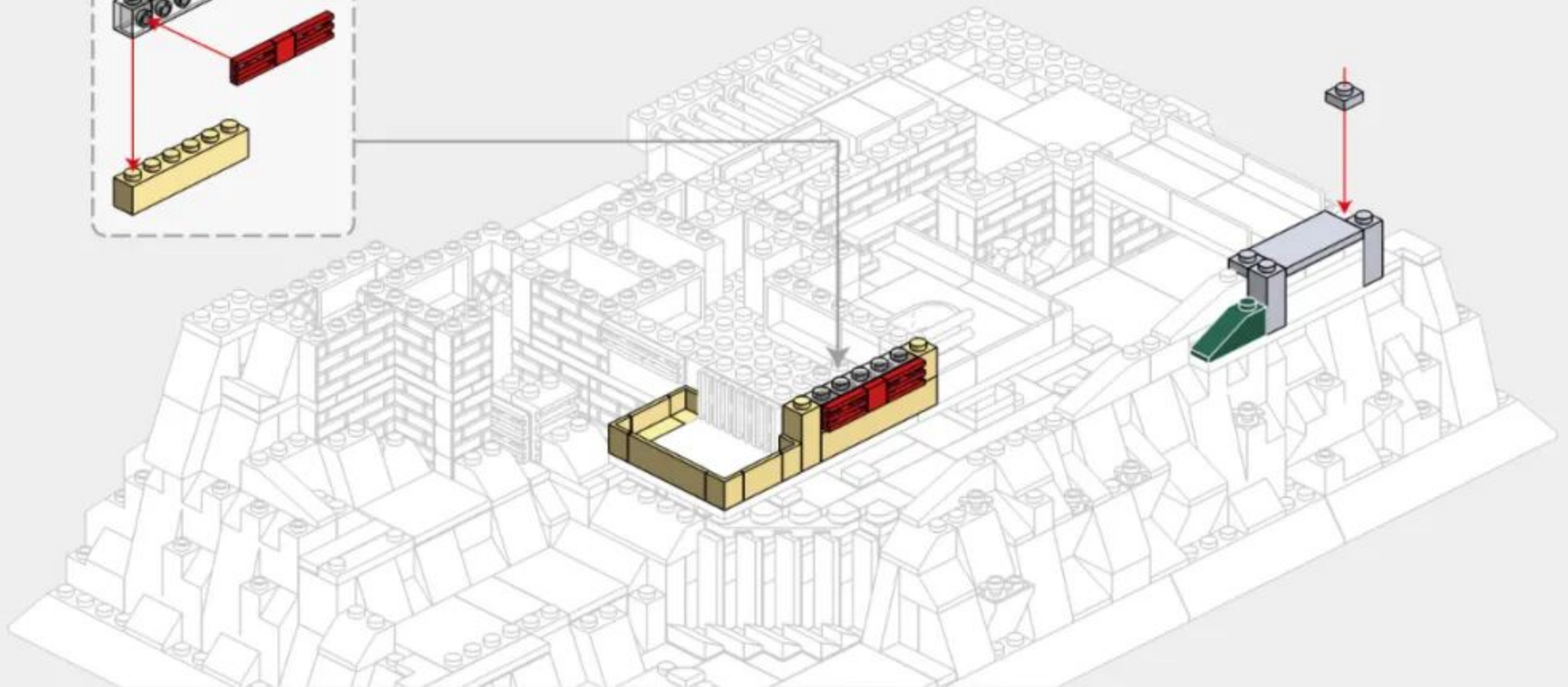
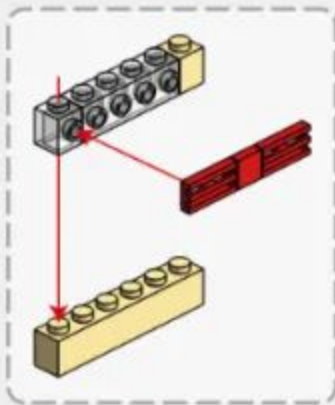
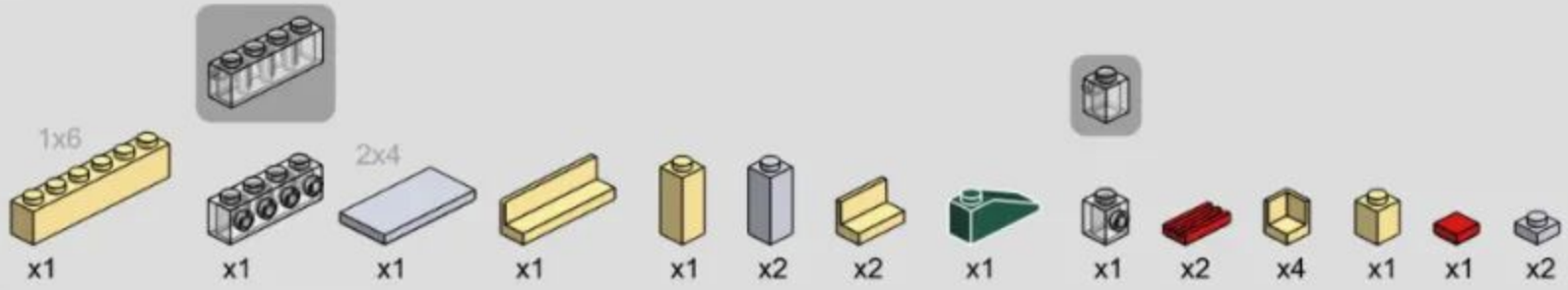
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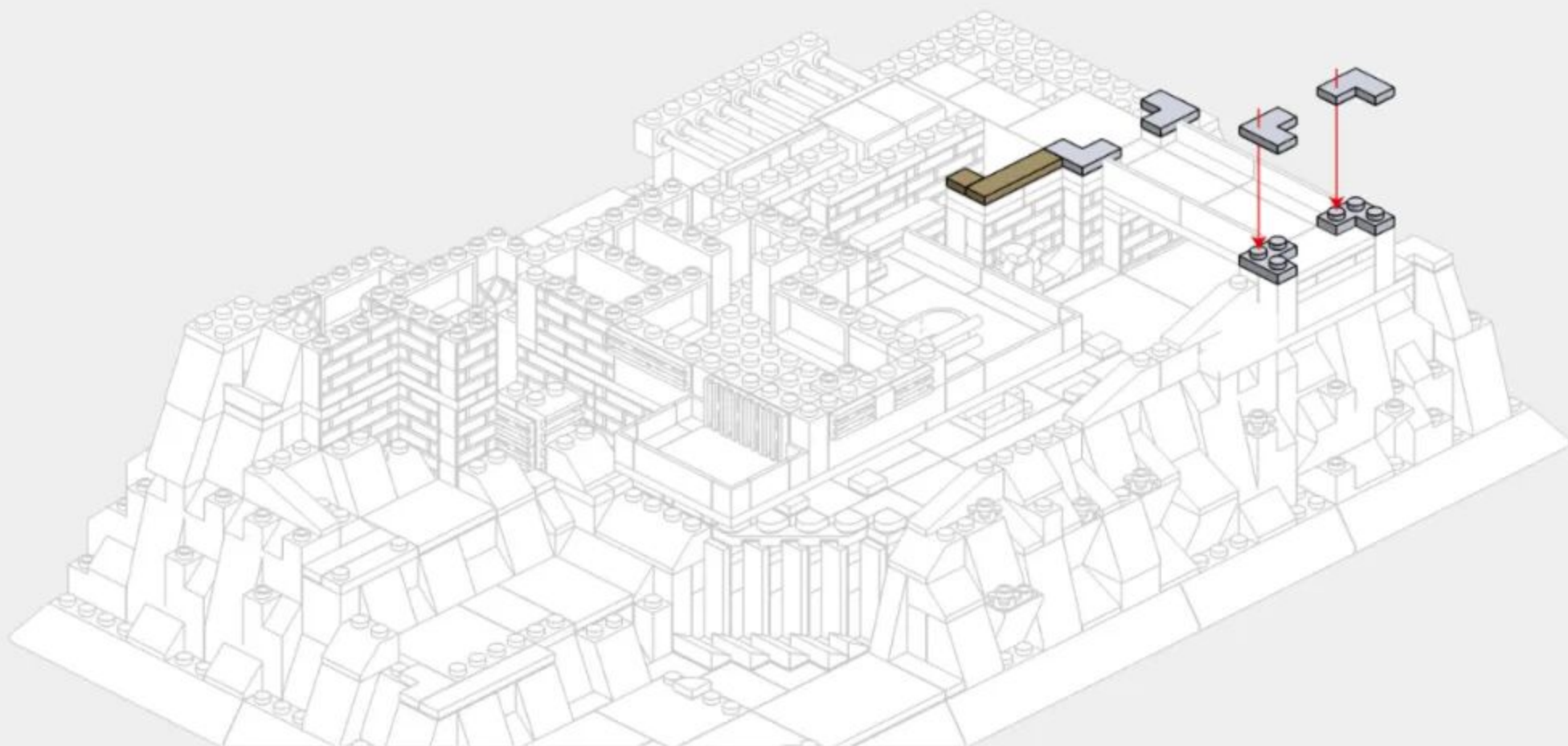
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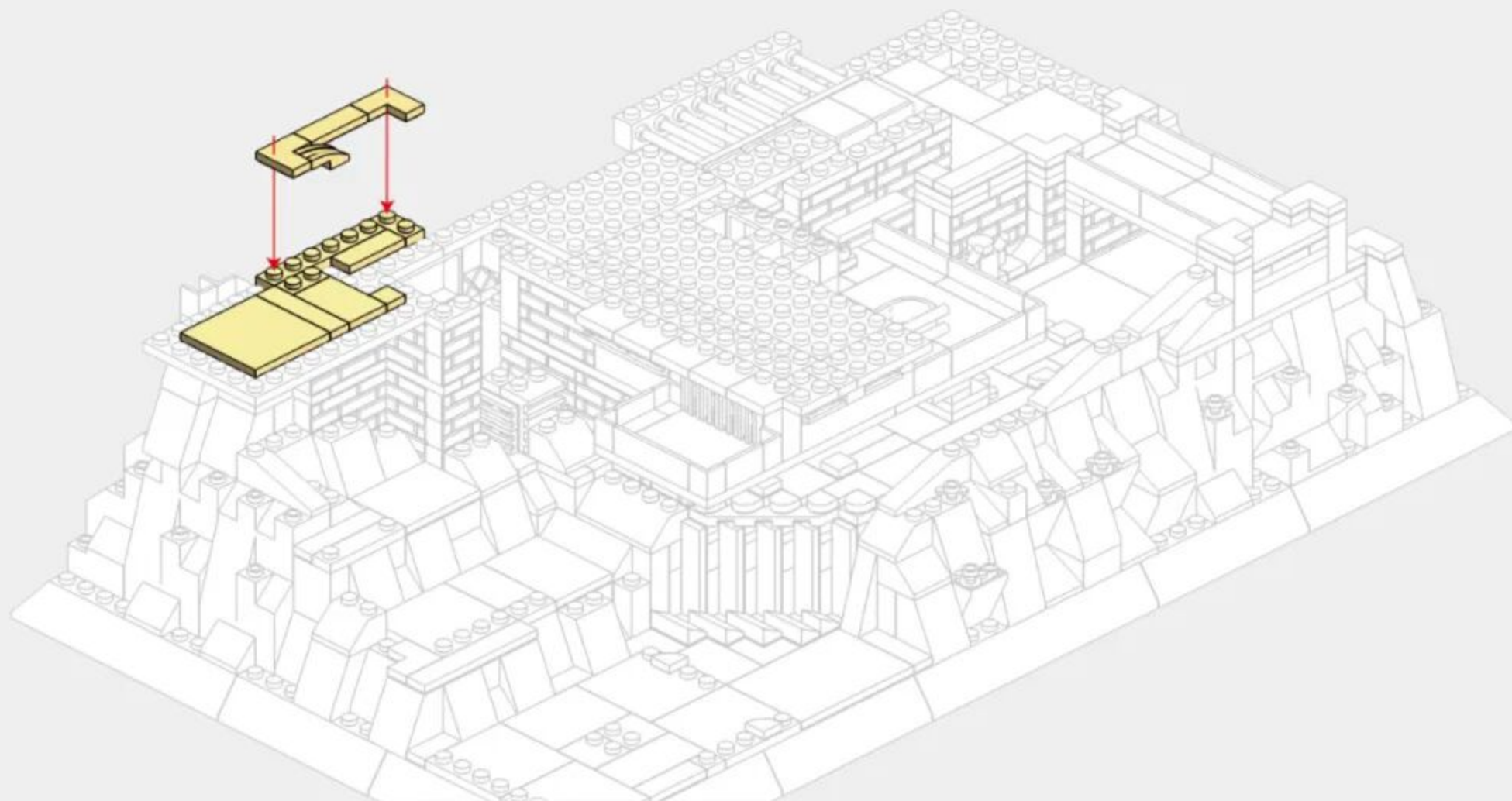
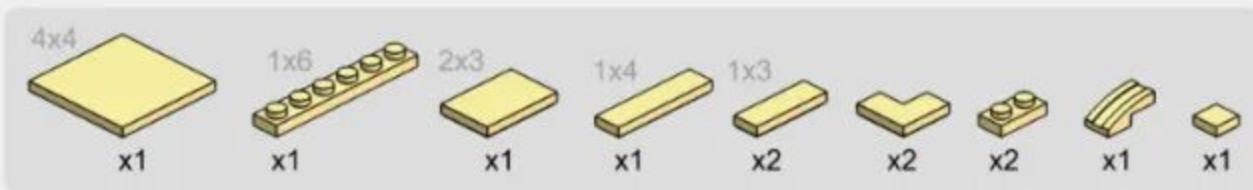
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3-12

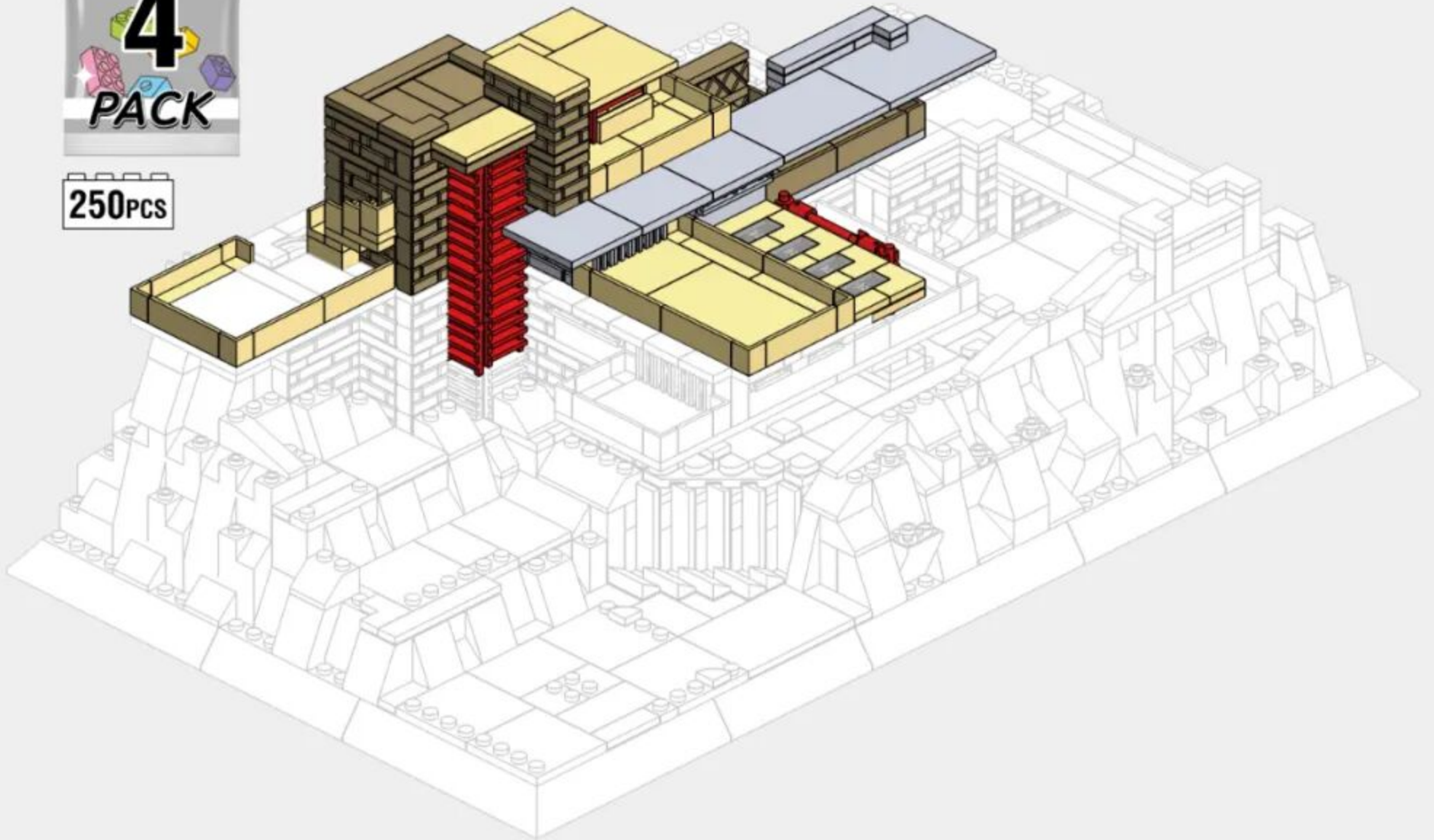


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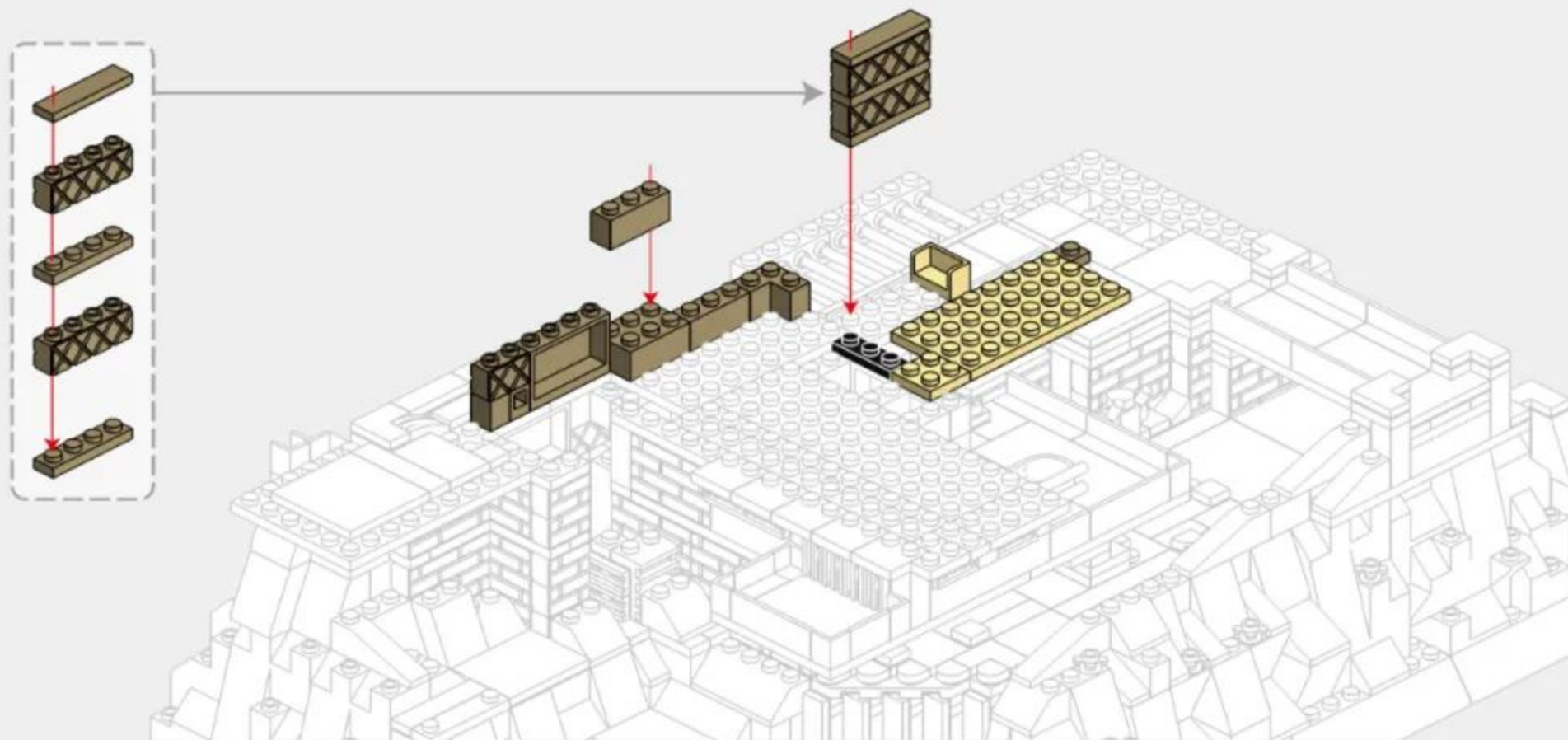
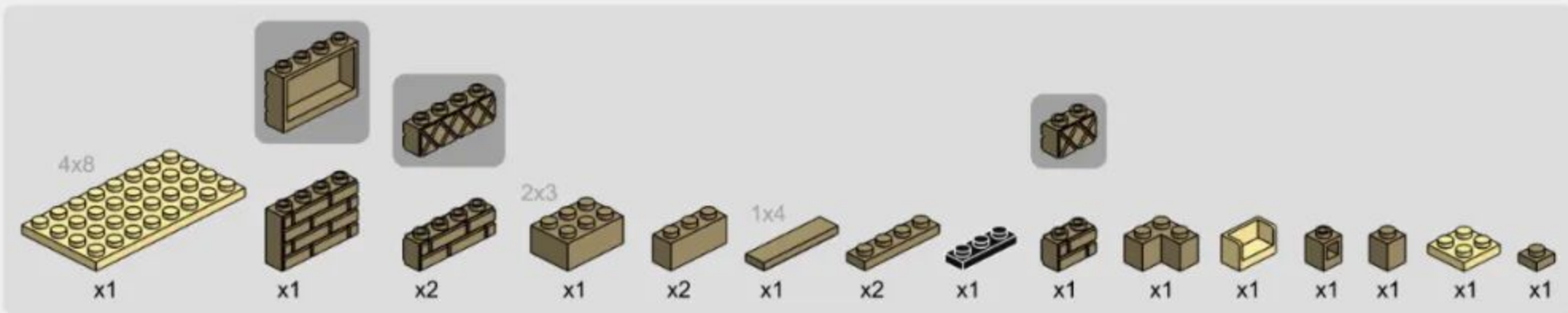




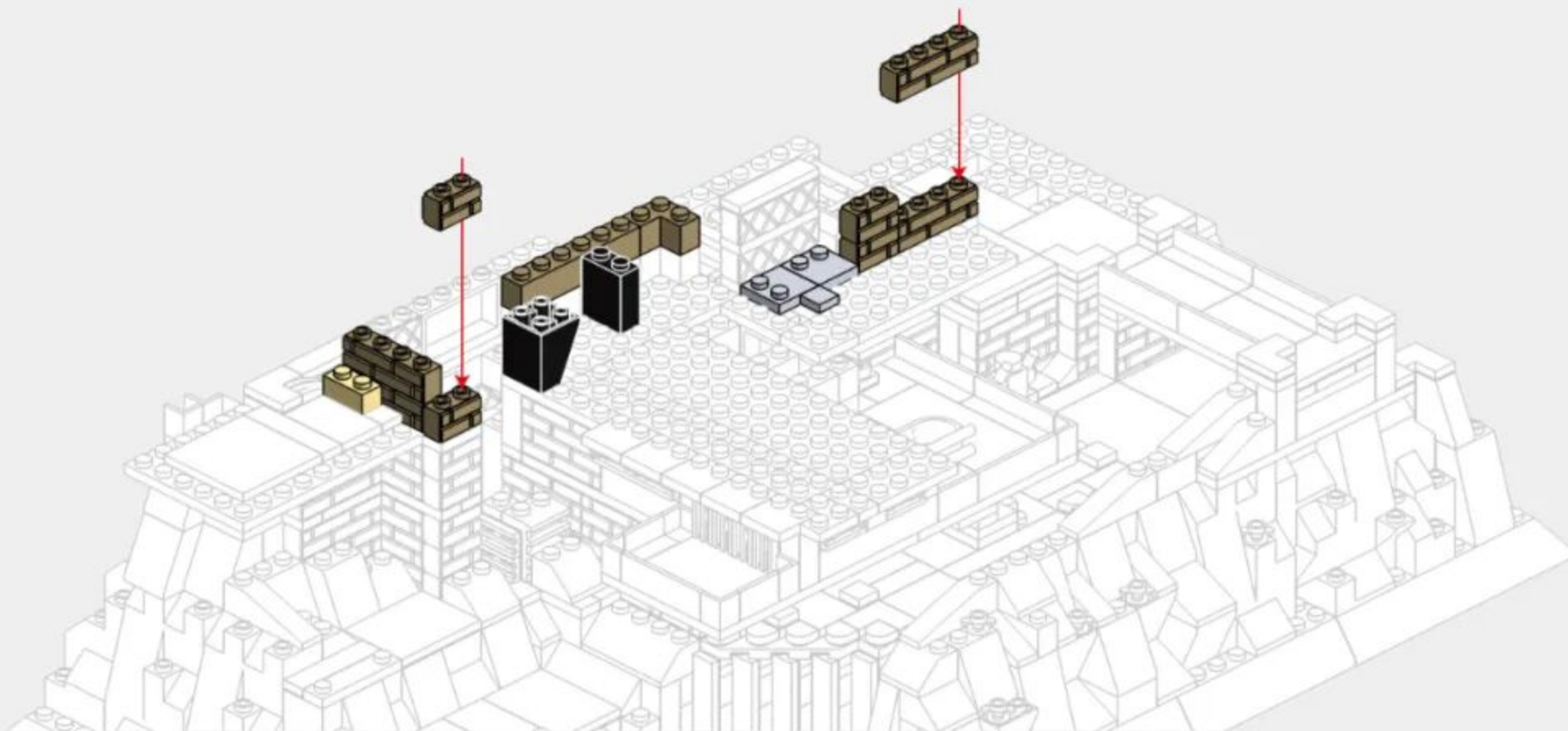
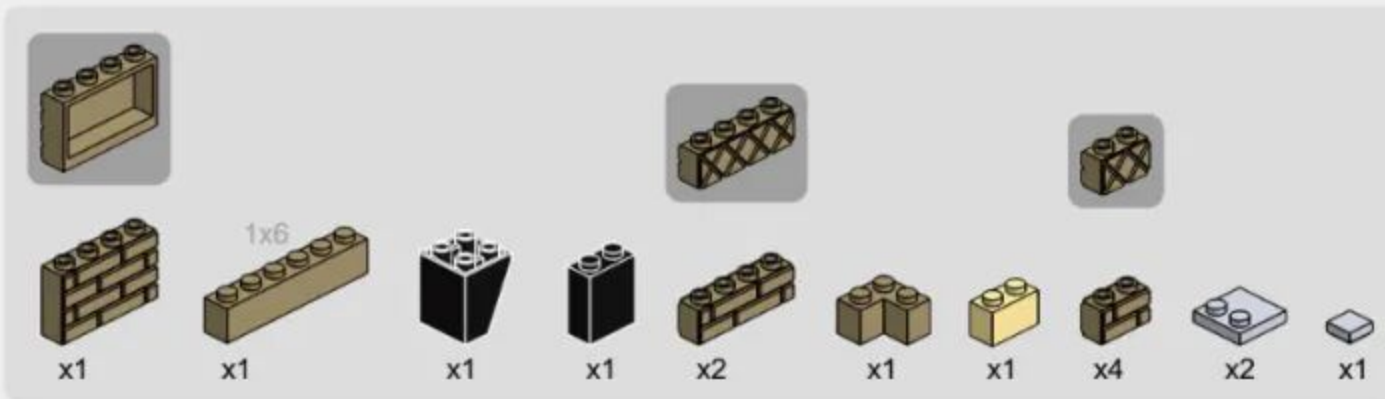
250PCS

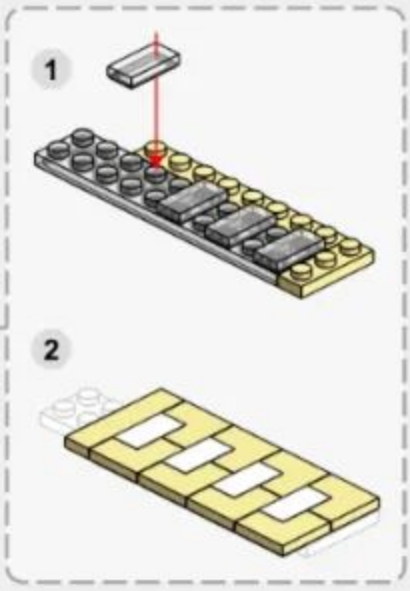
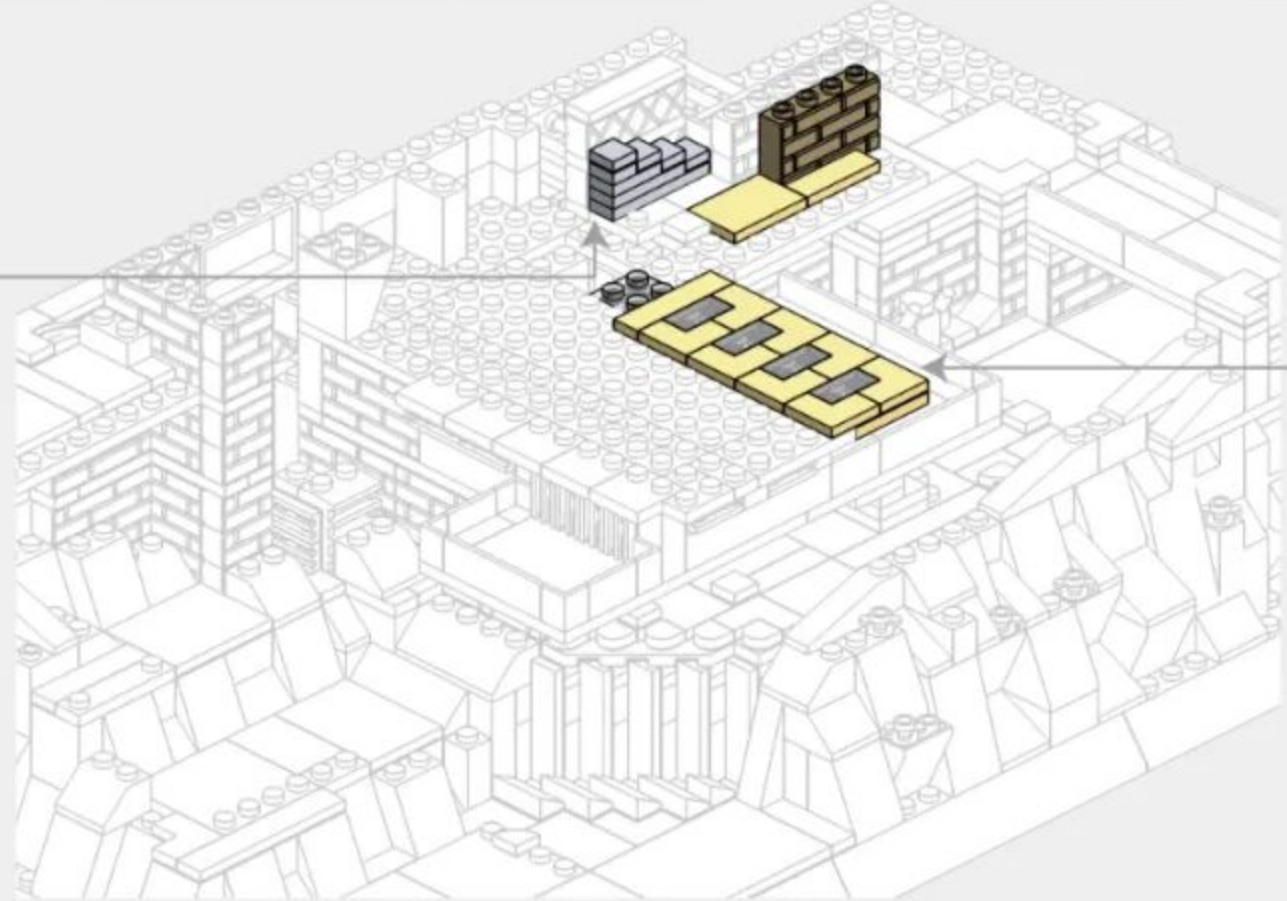
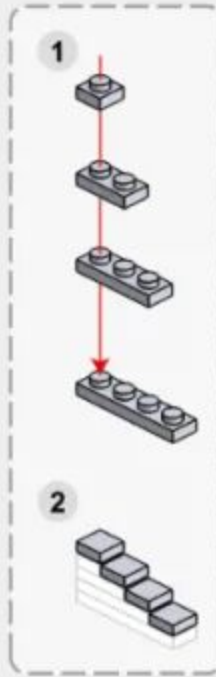
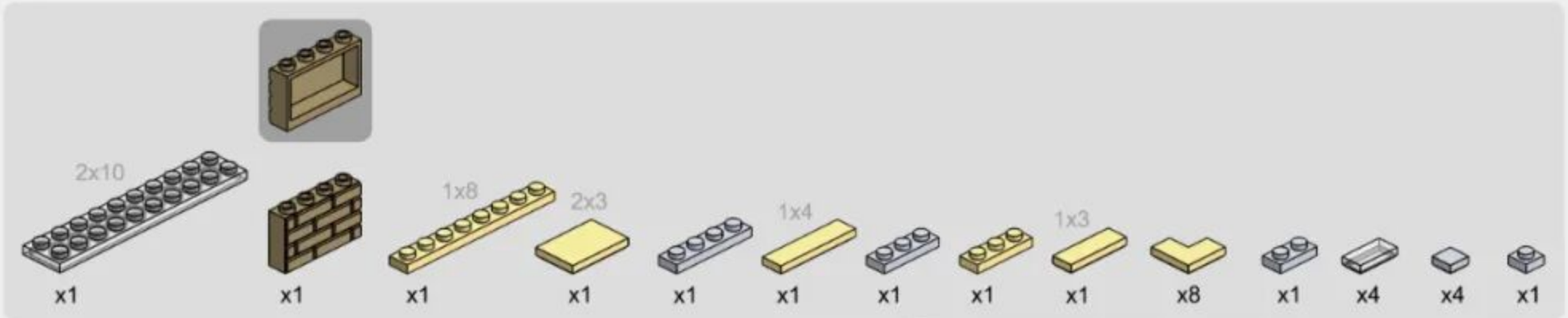


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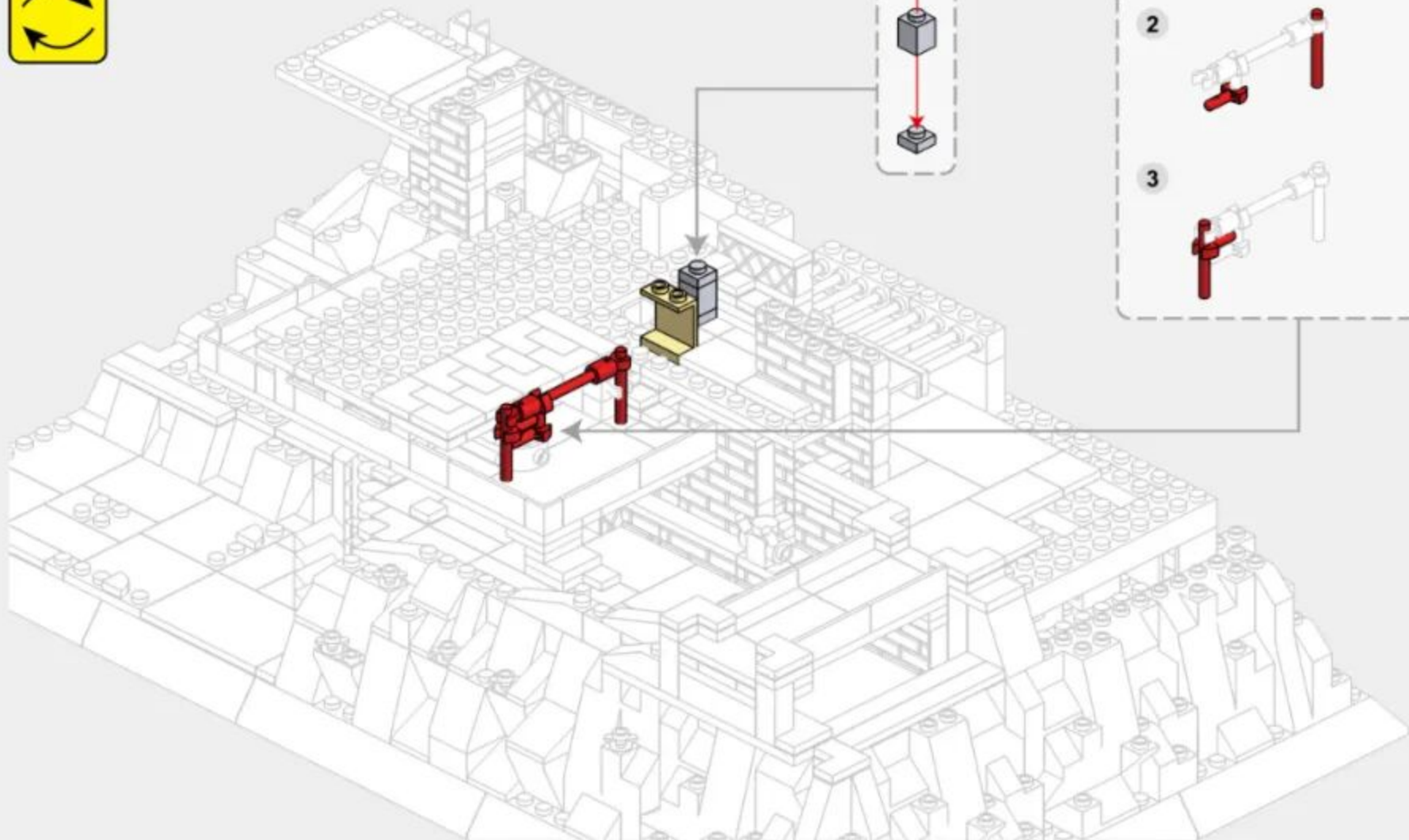
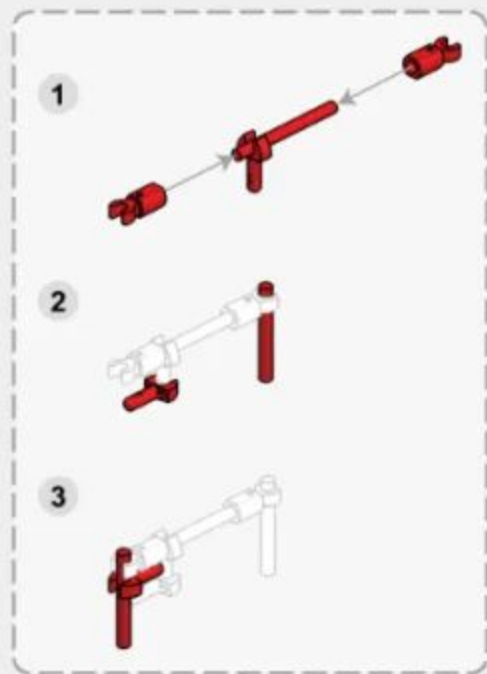
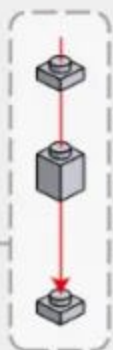


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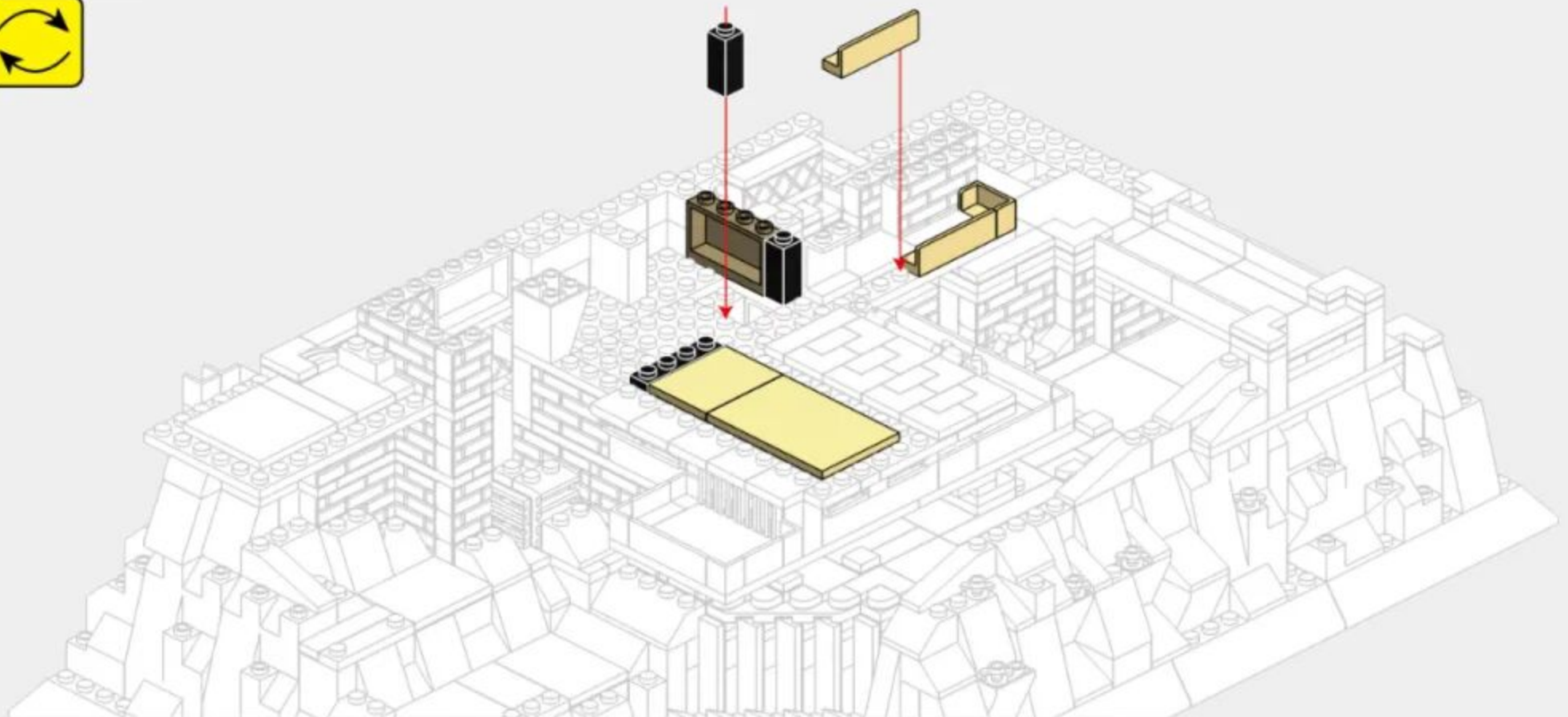
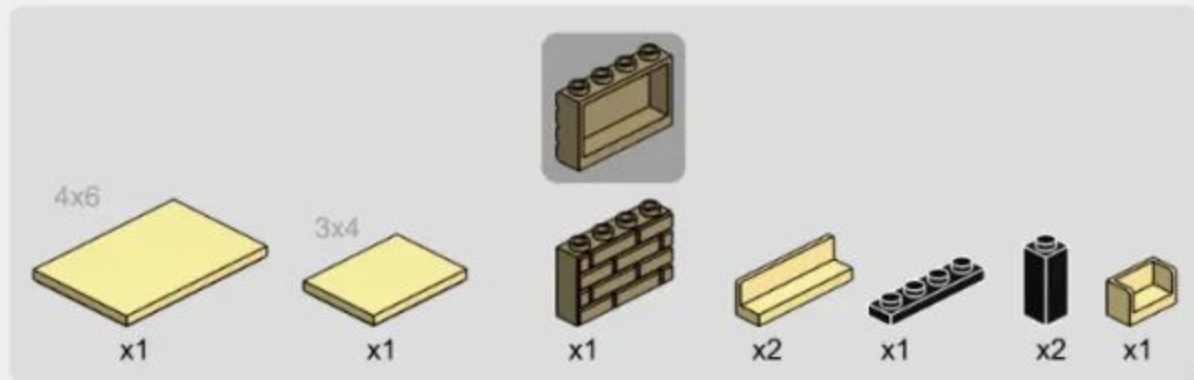




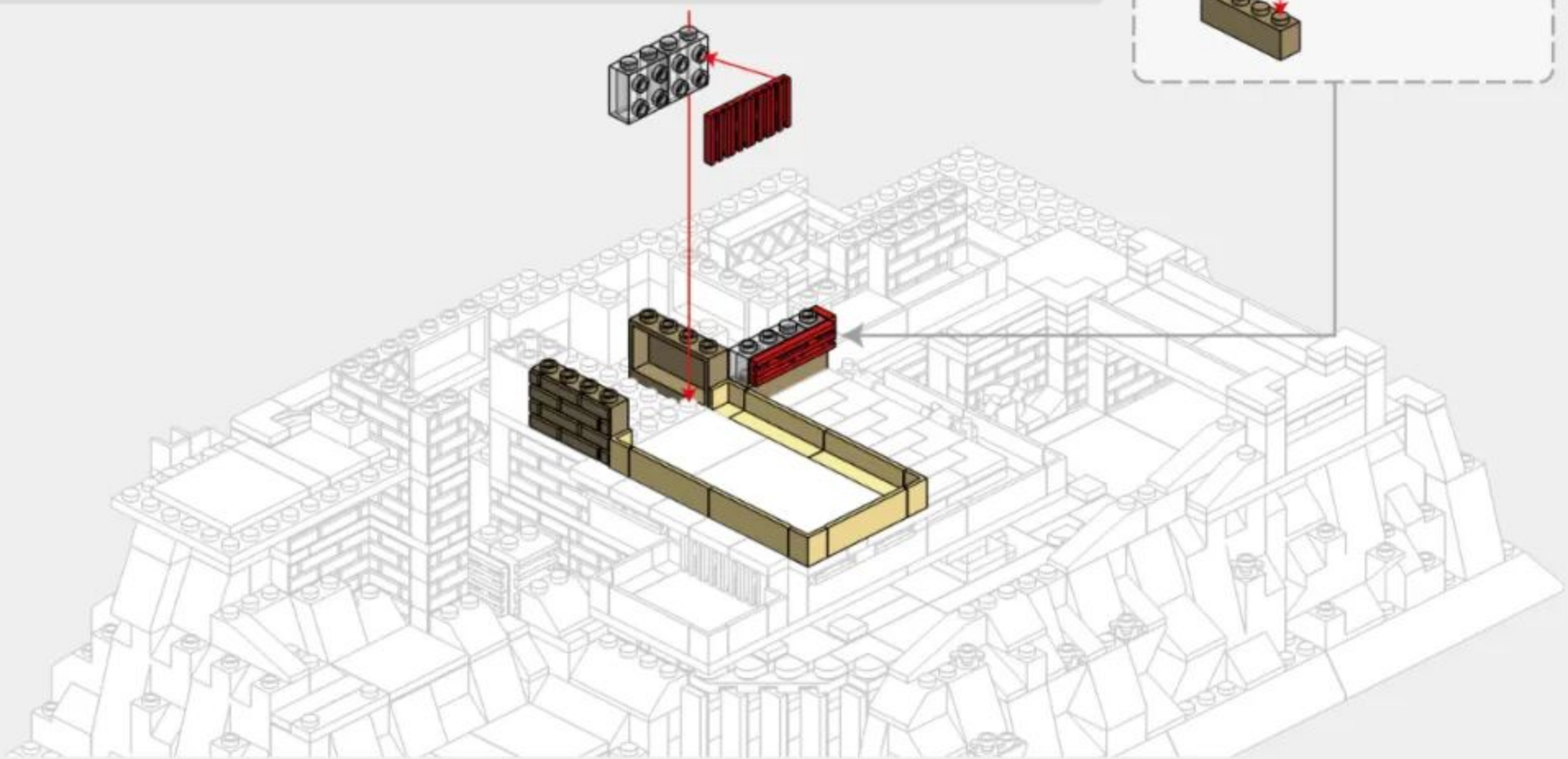
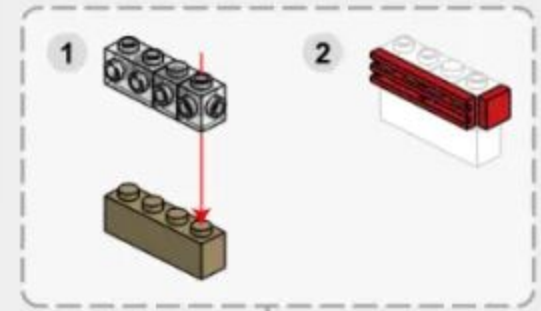
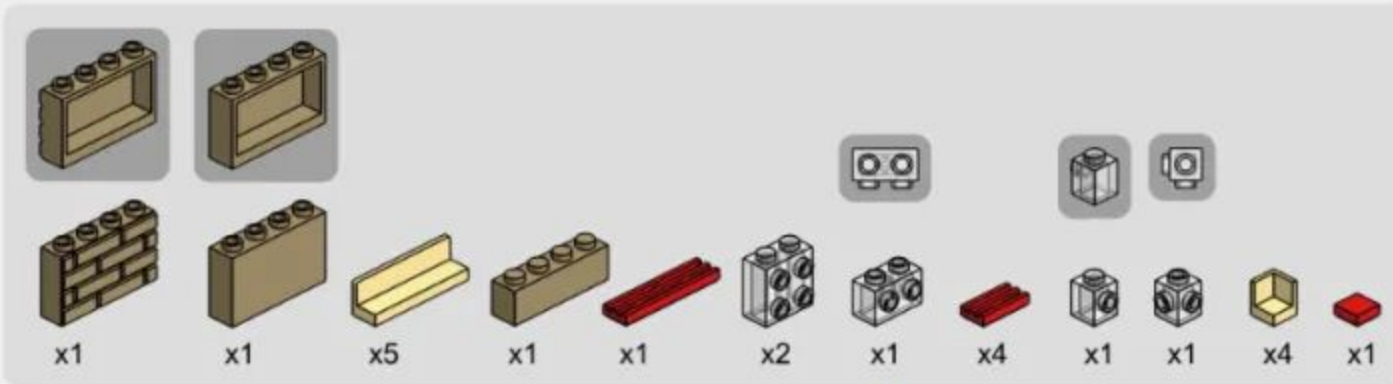
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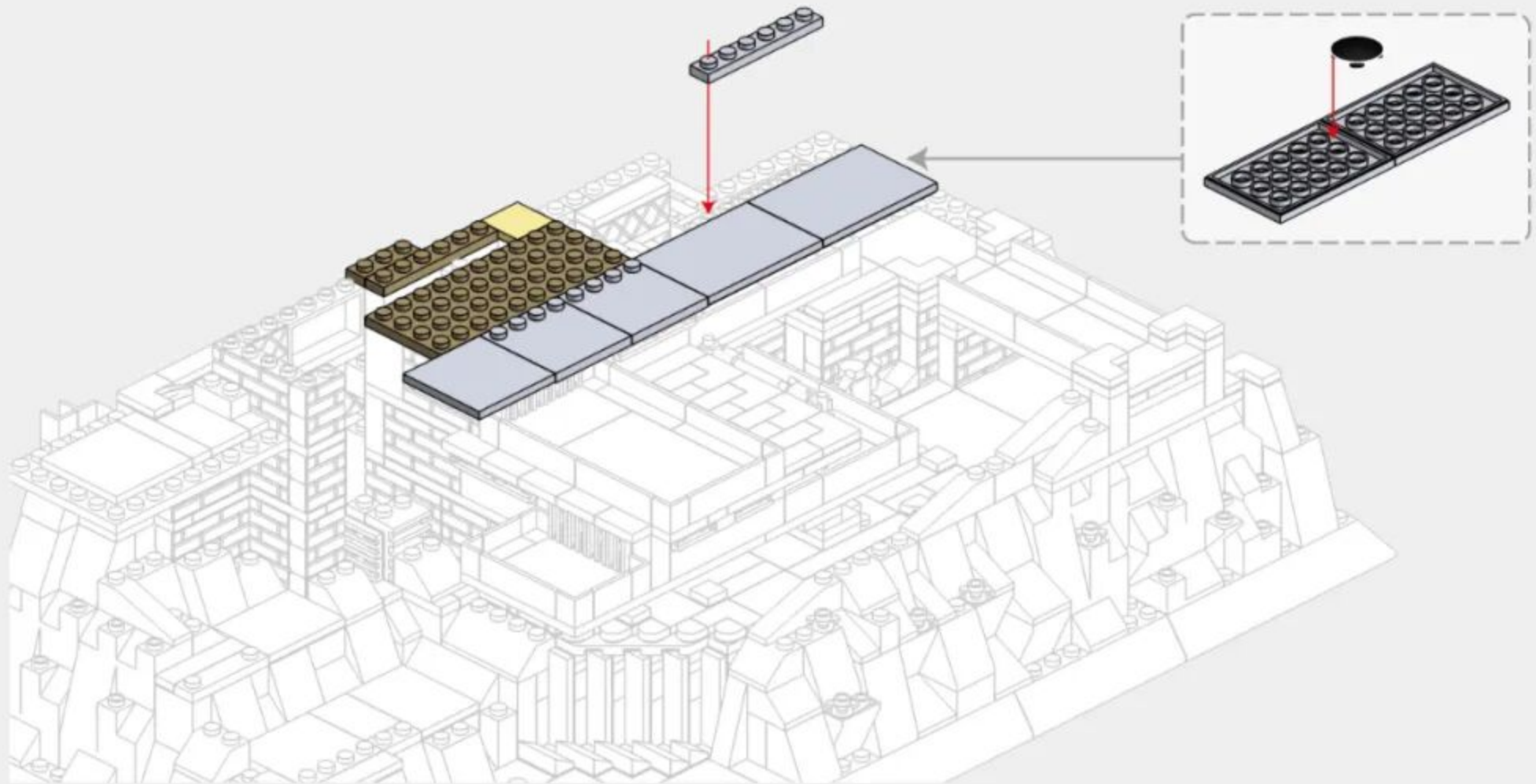
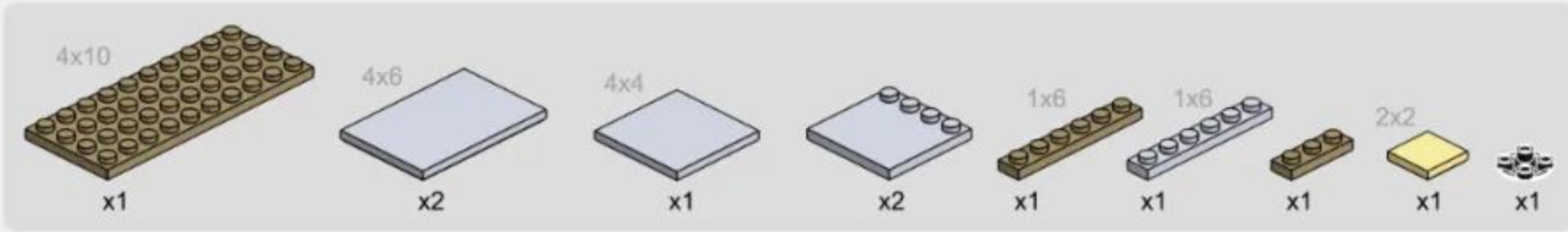
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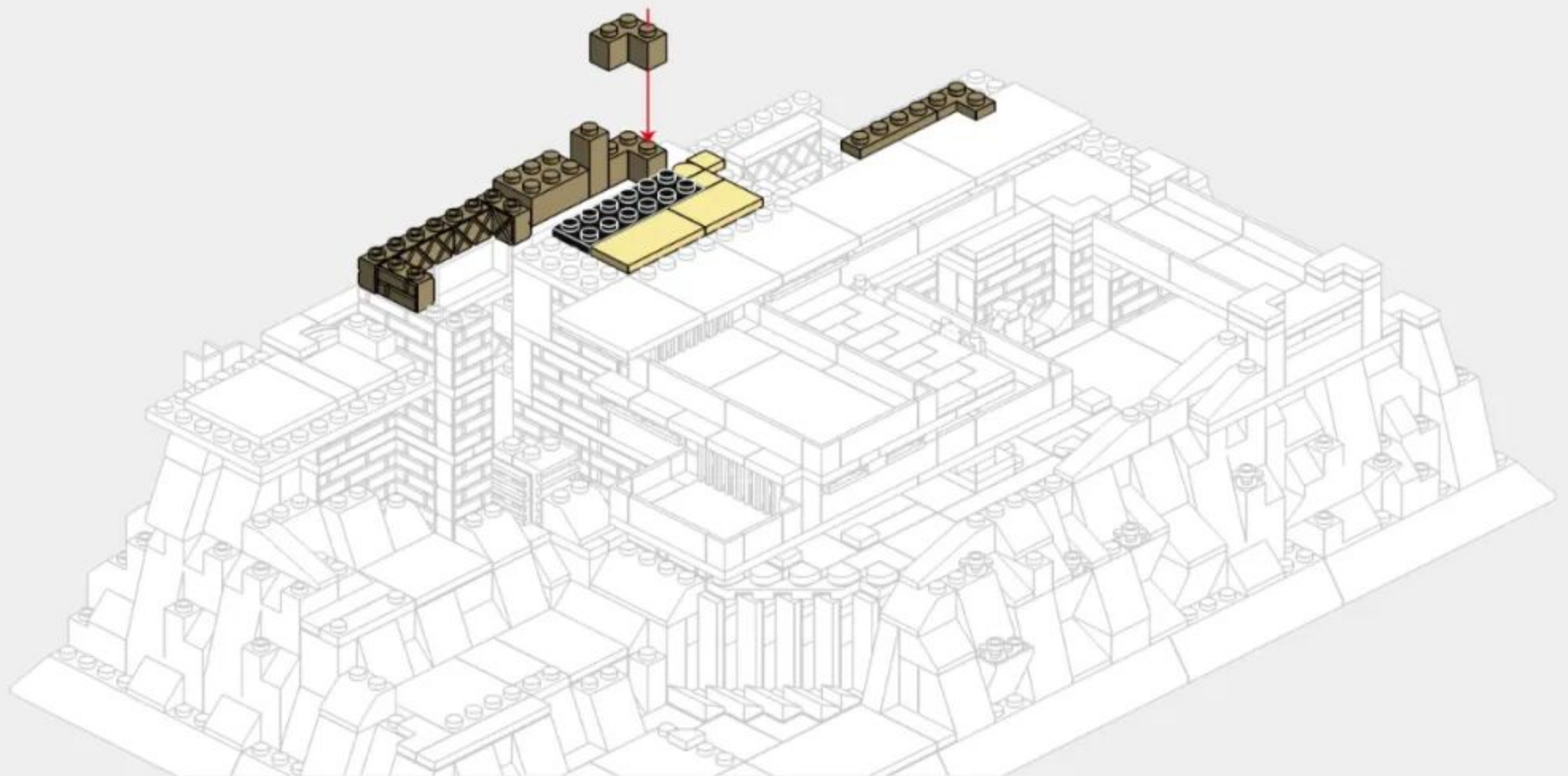
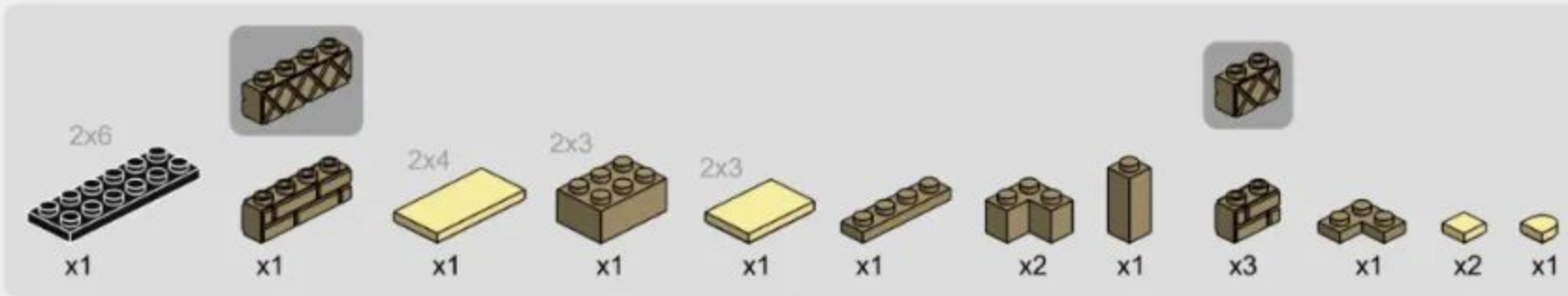
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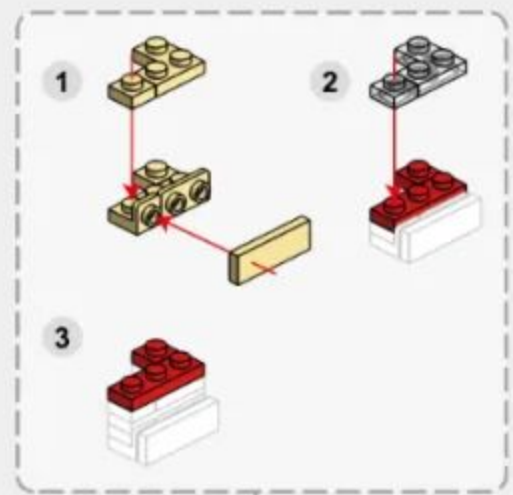
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4-8

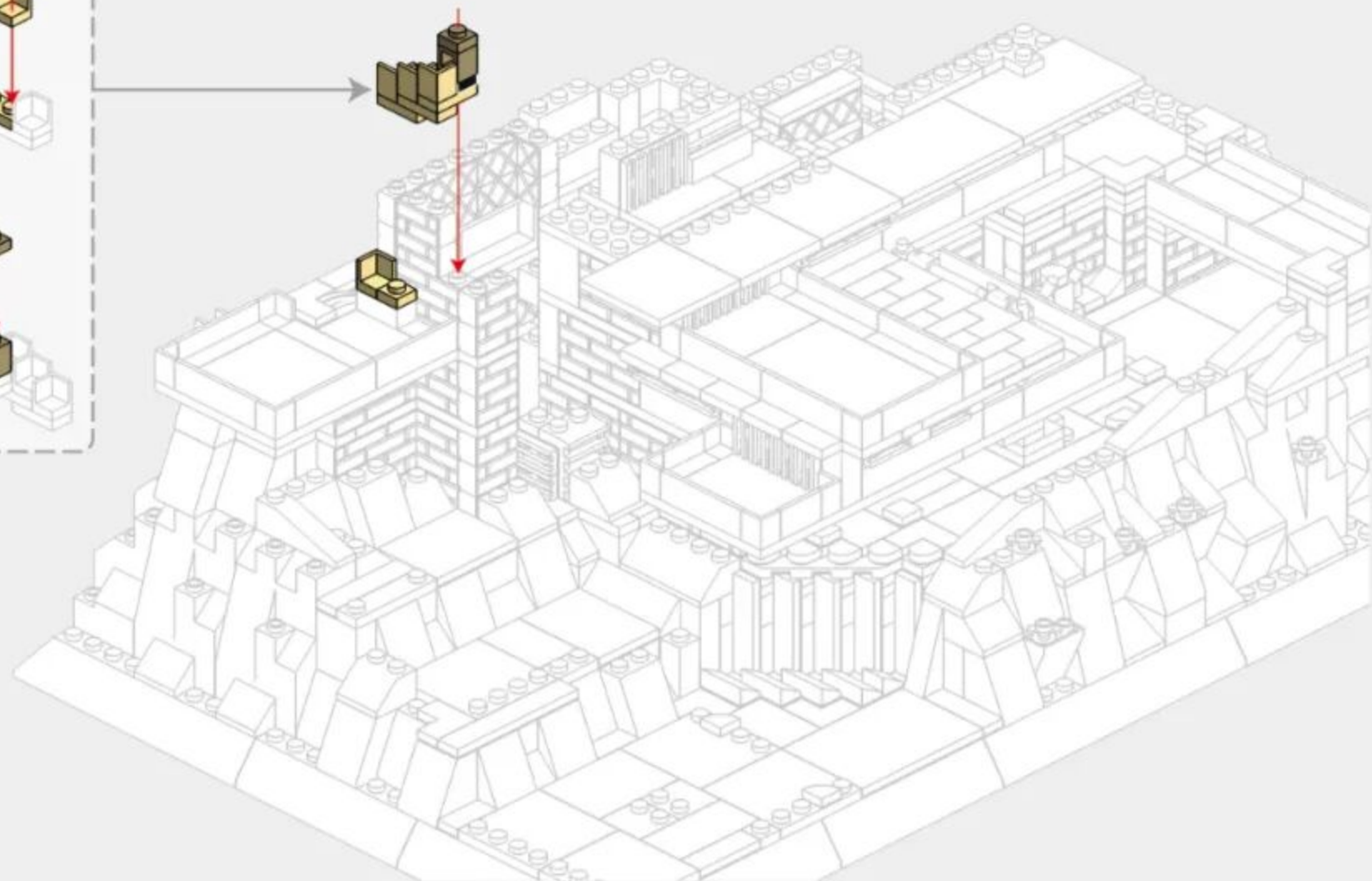
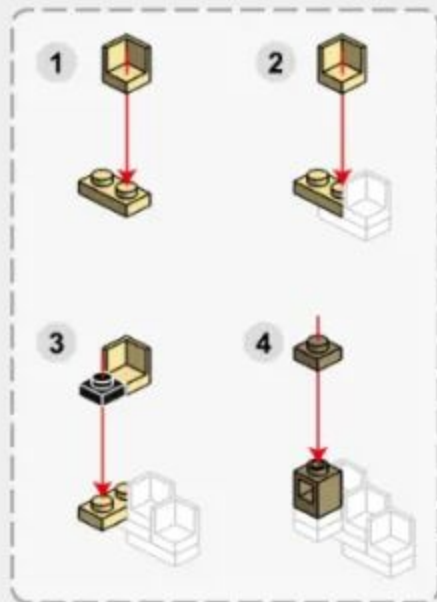


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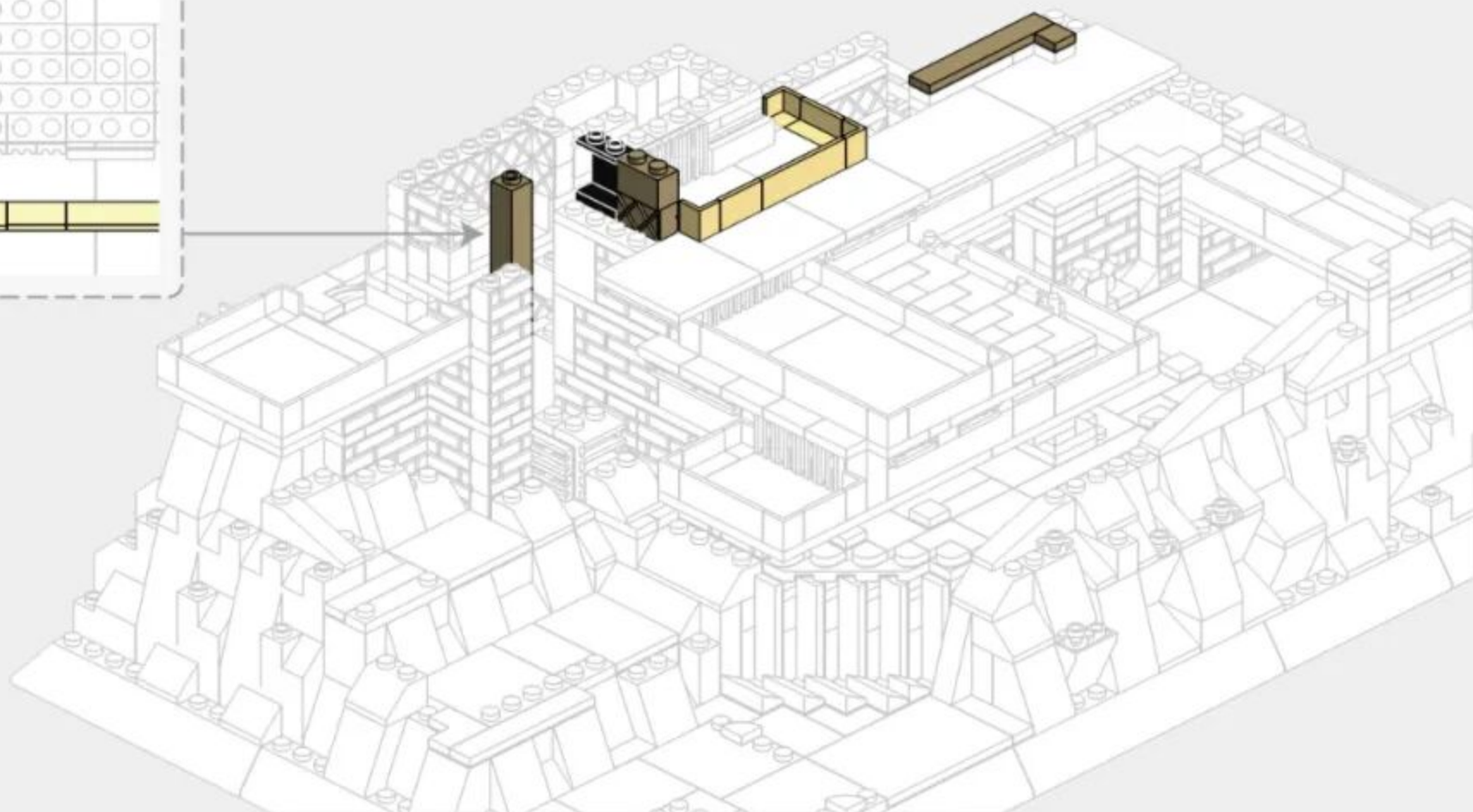
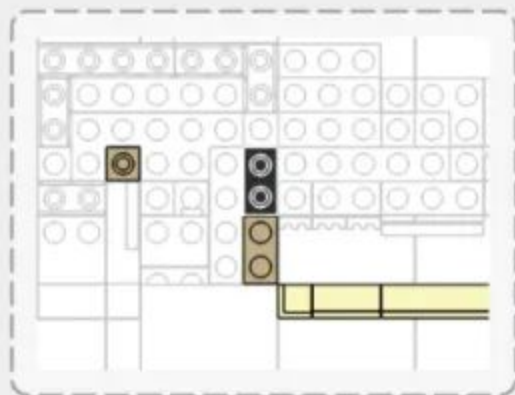
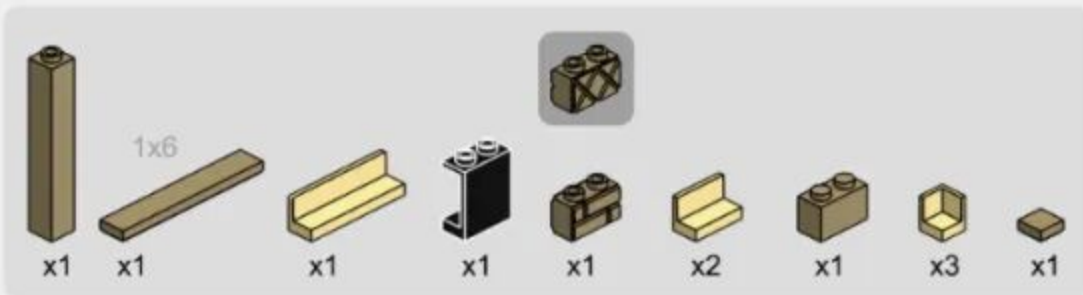


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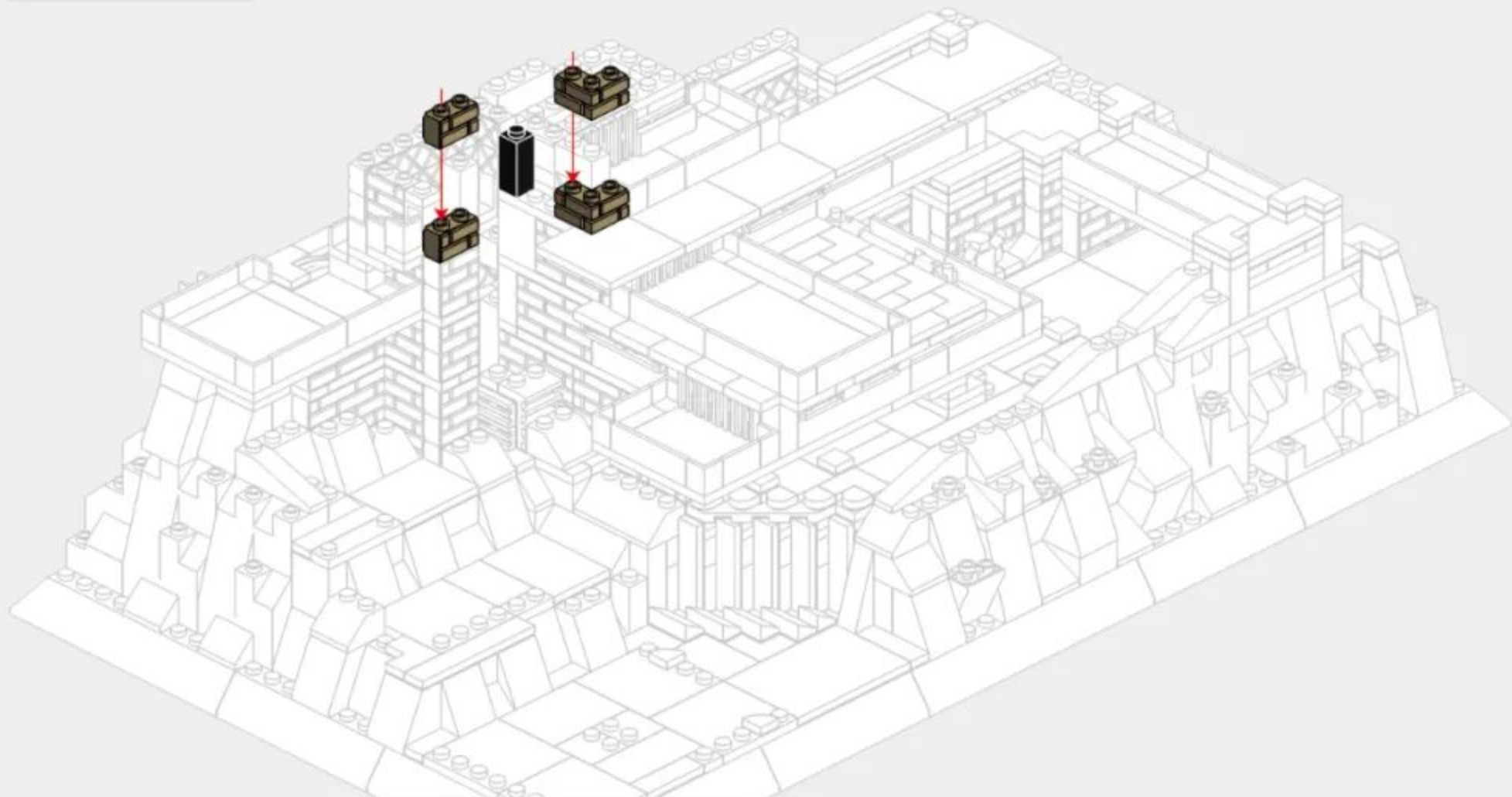
-  x4
-  x3
-  x1
-  x1
-  x1
-  x1



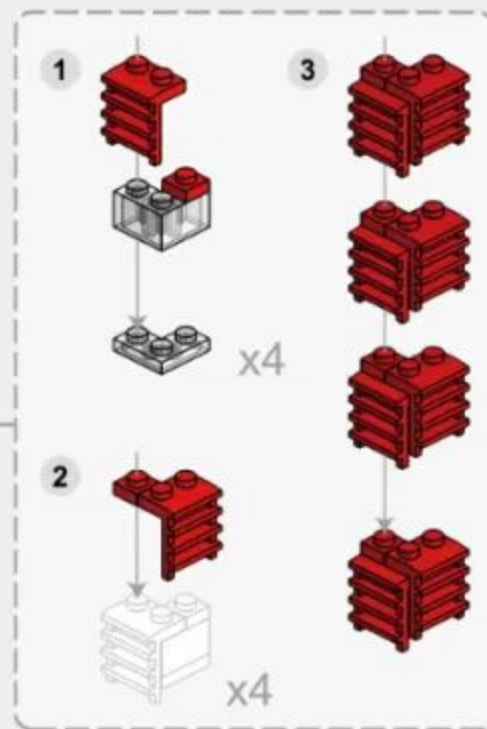
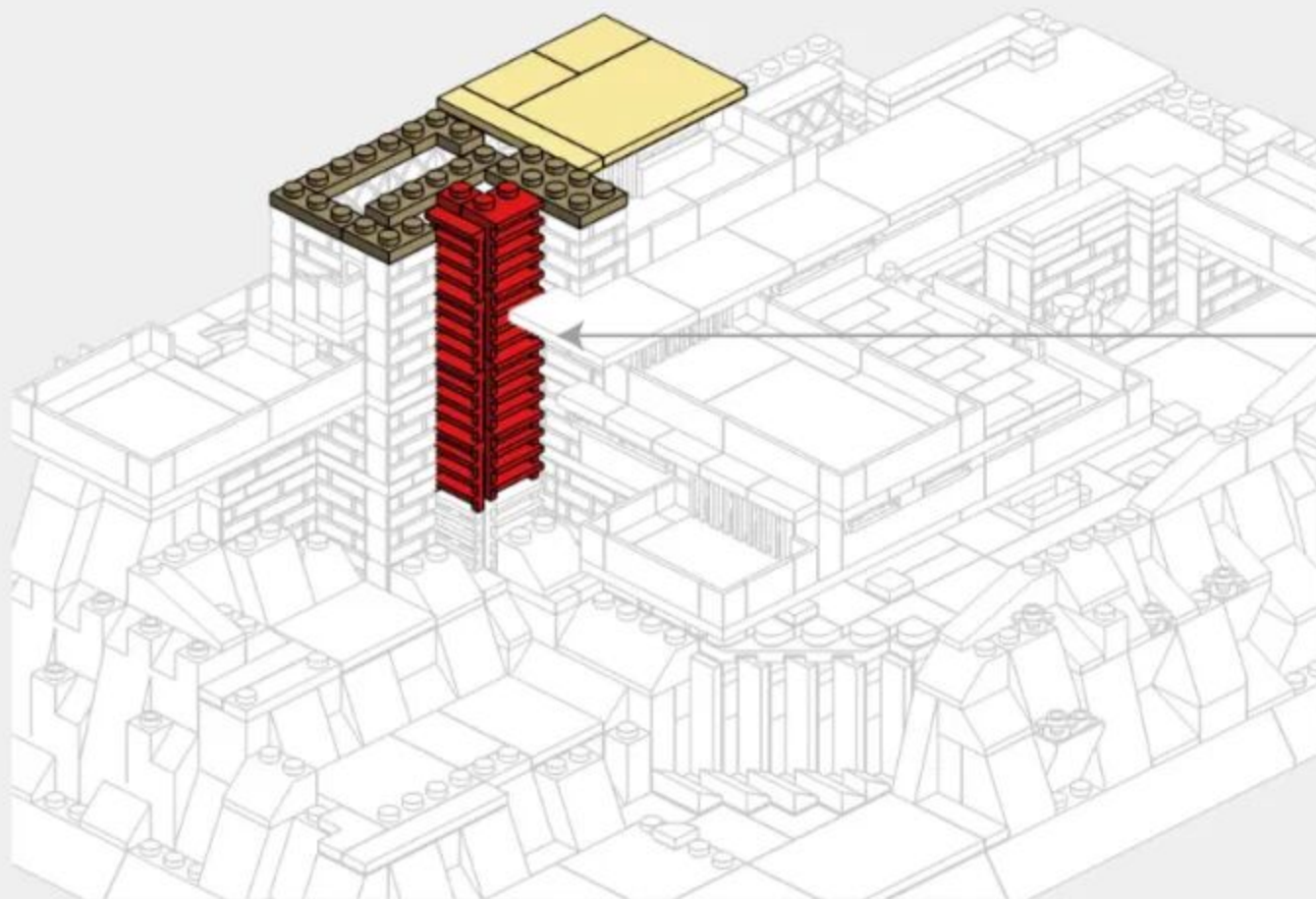
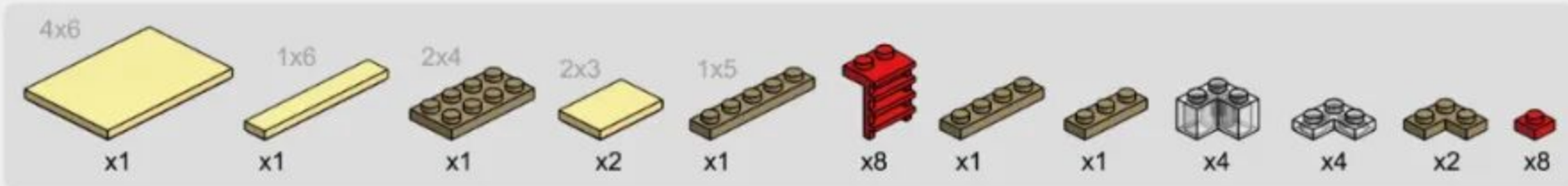
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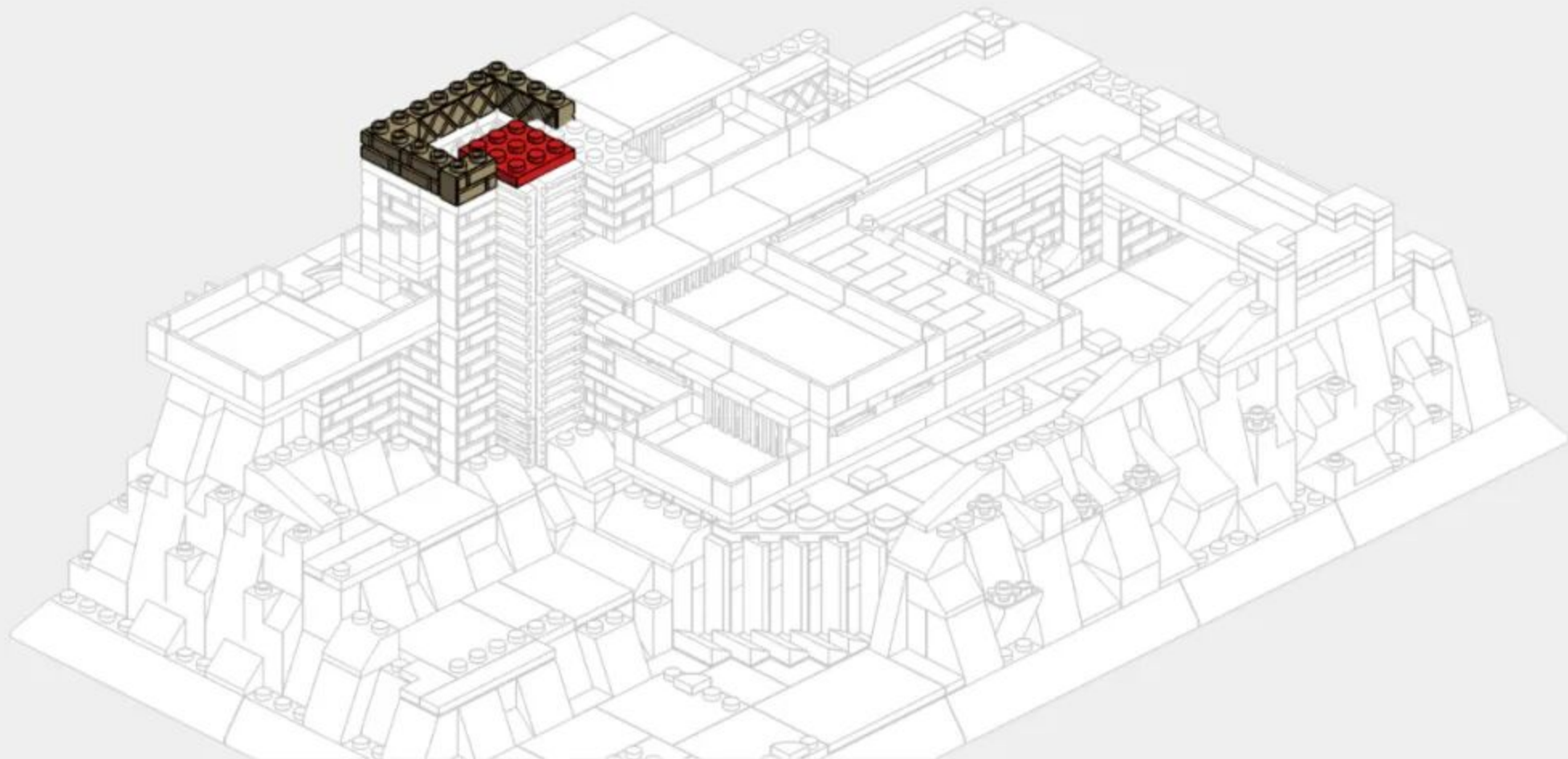
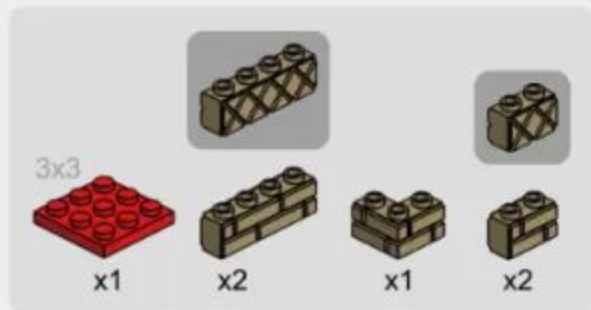
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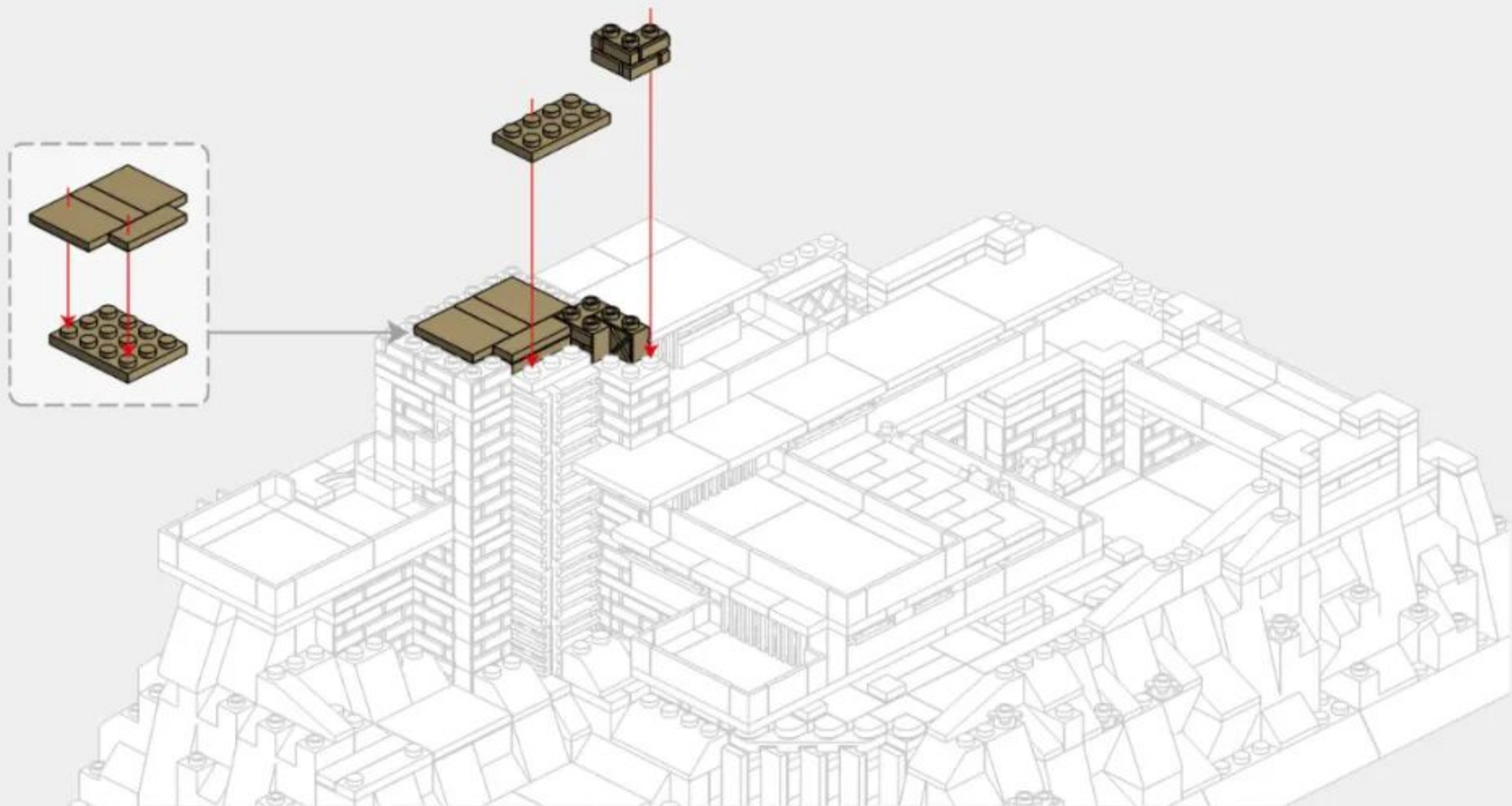
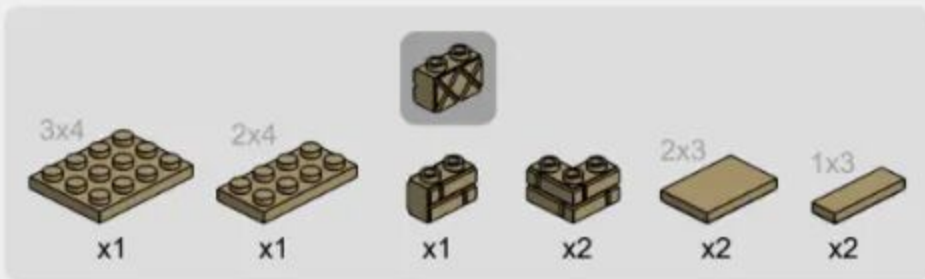
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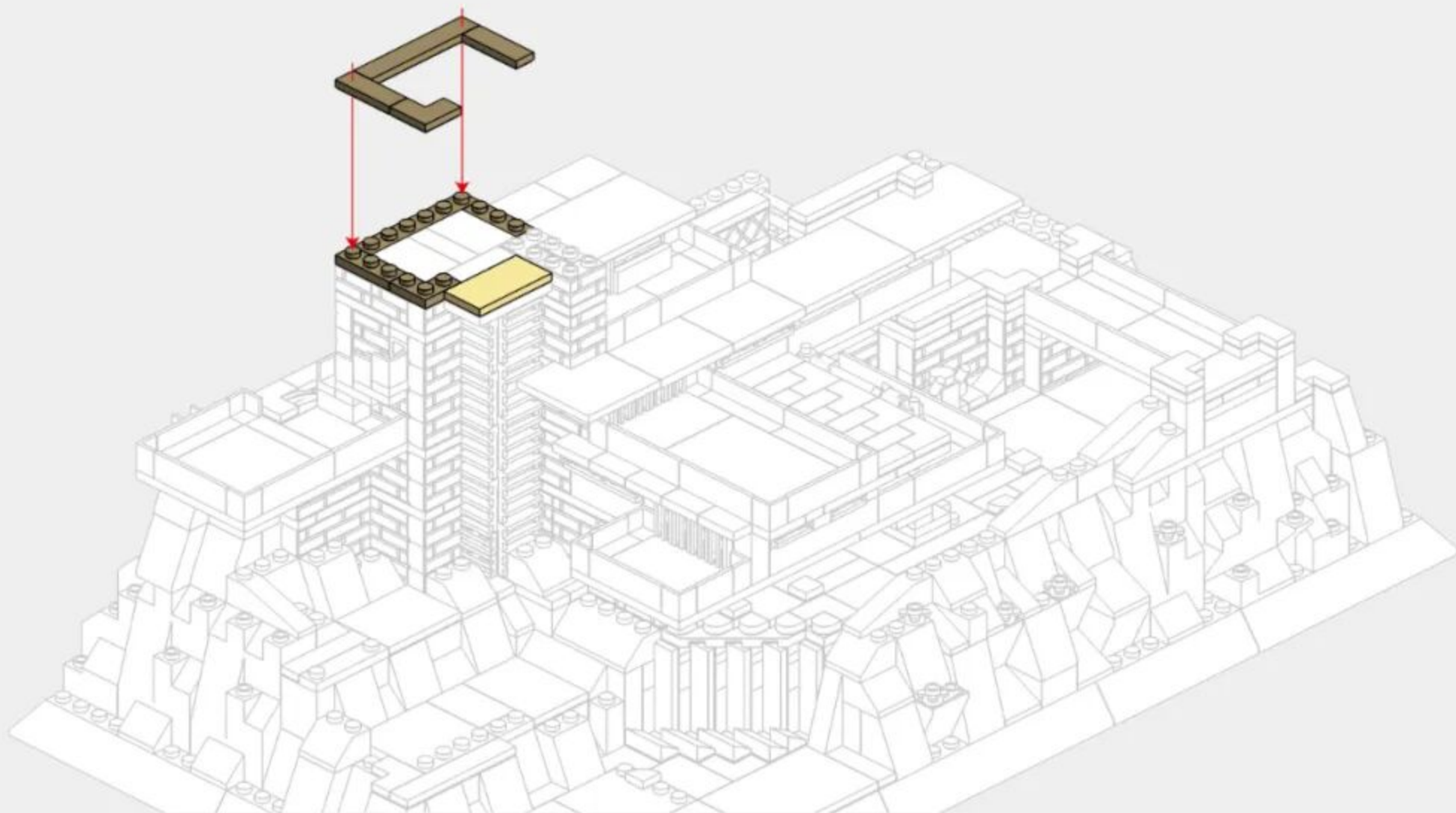
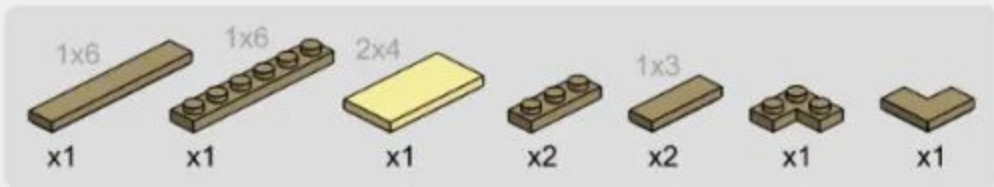
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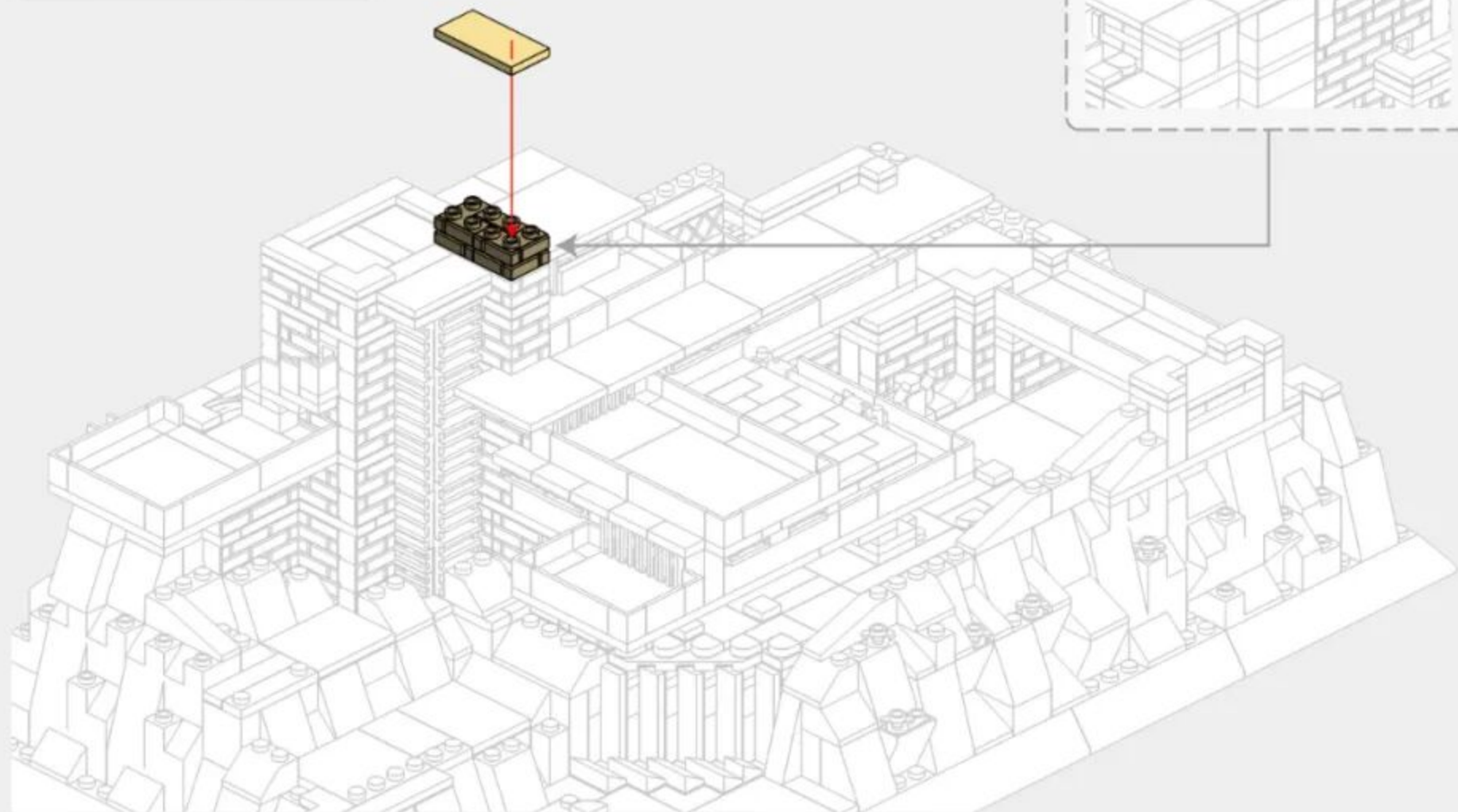
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4-16



4-17





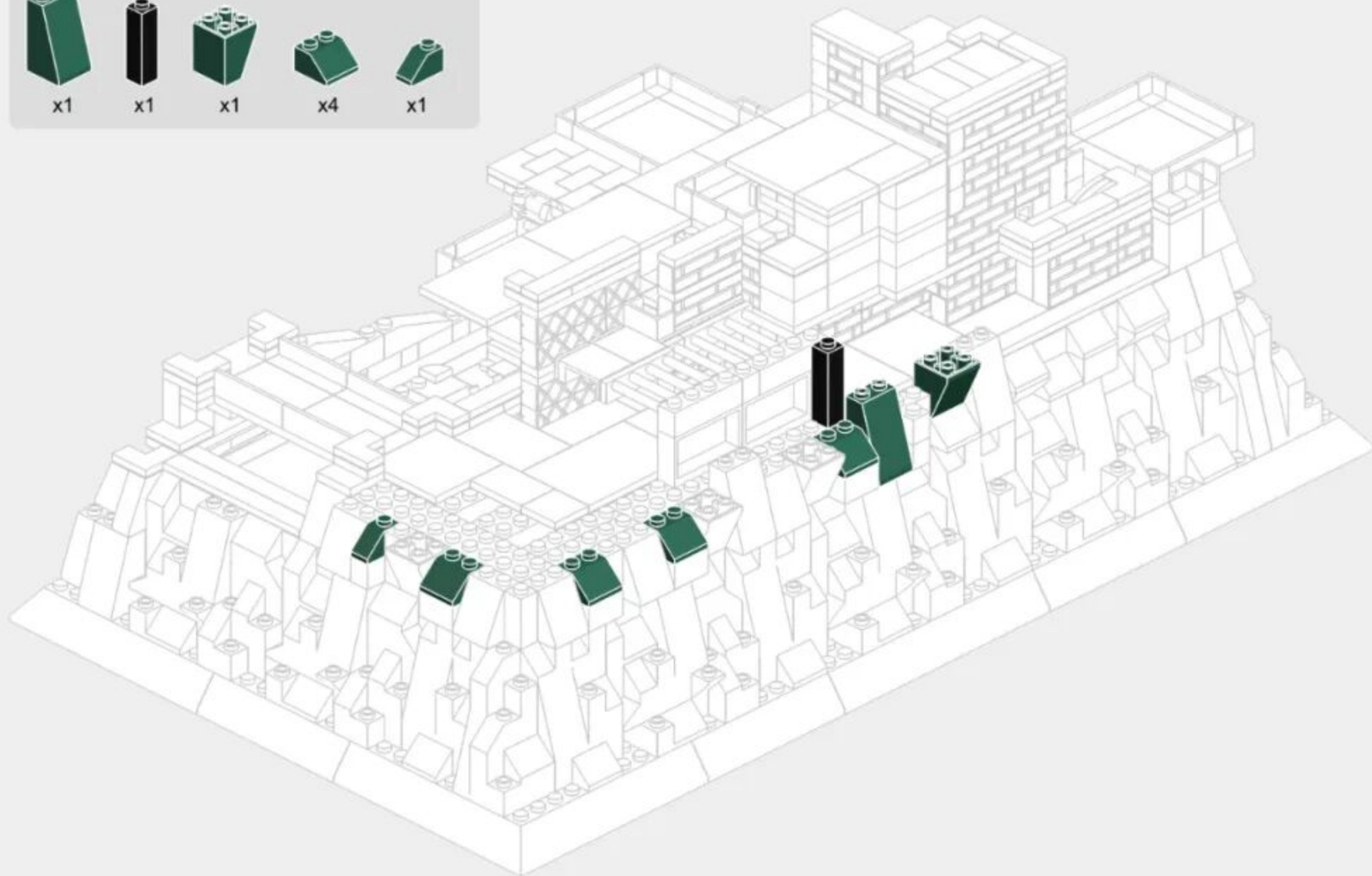
241 PCS



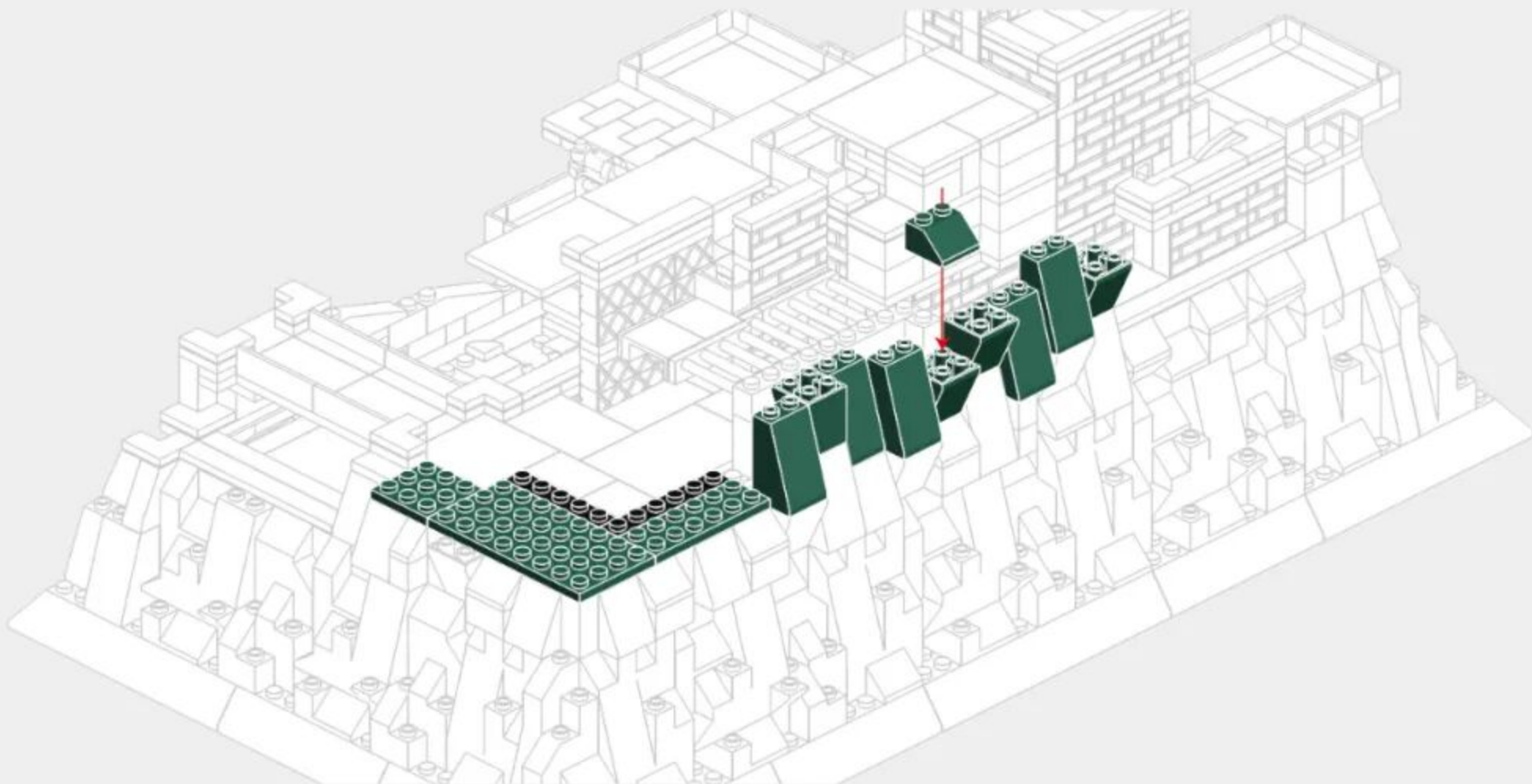
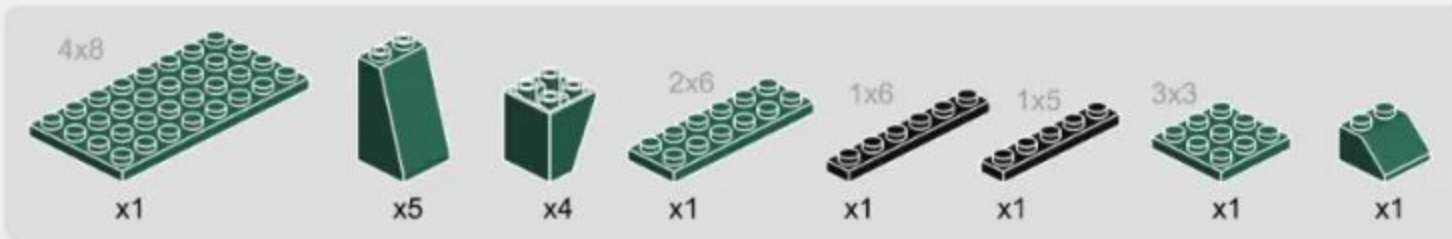
5-1



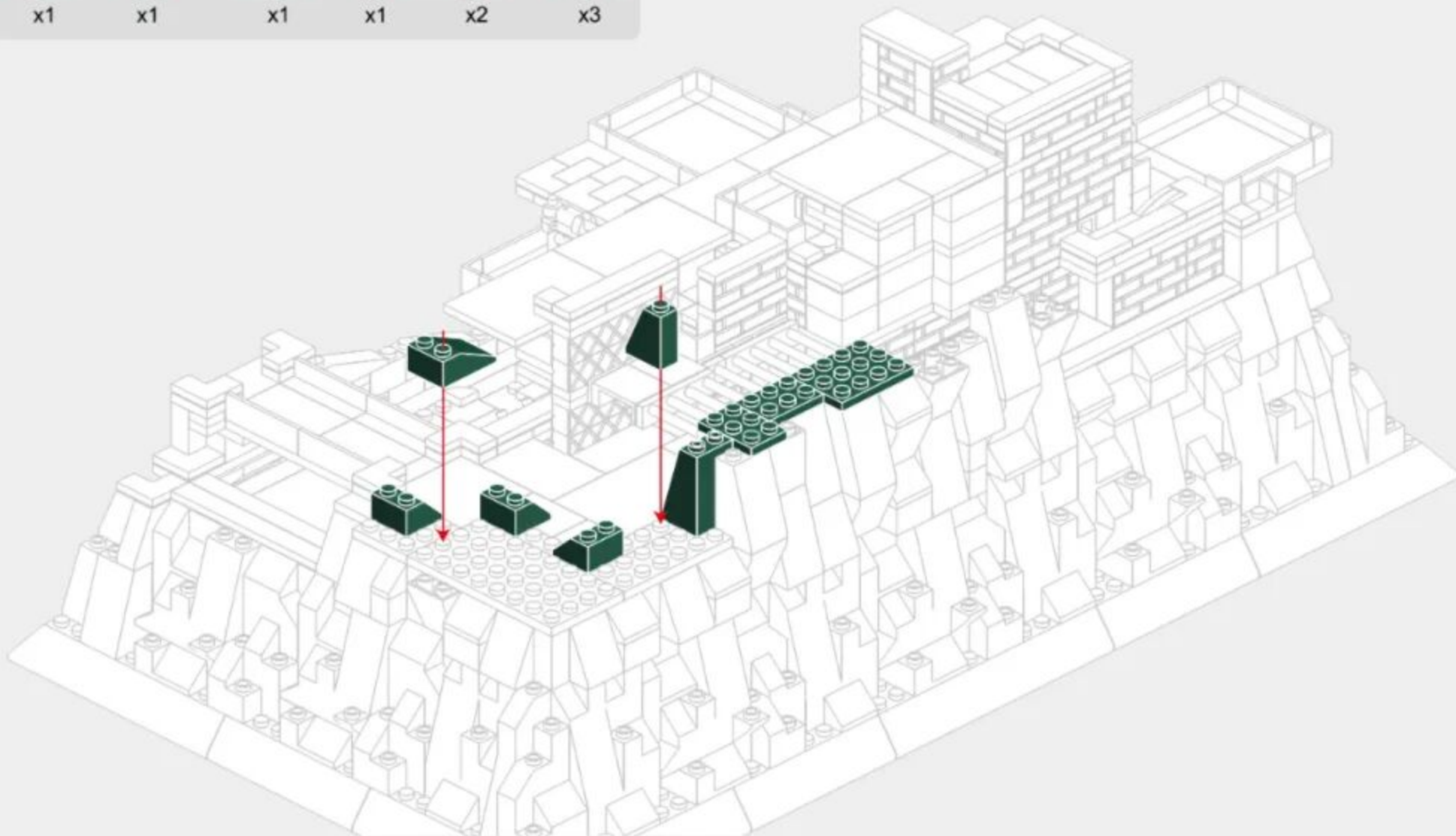
5-2



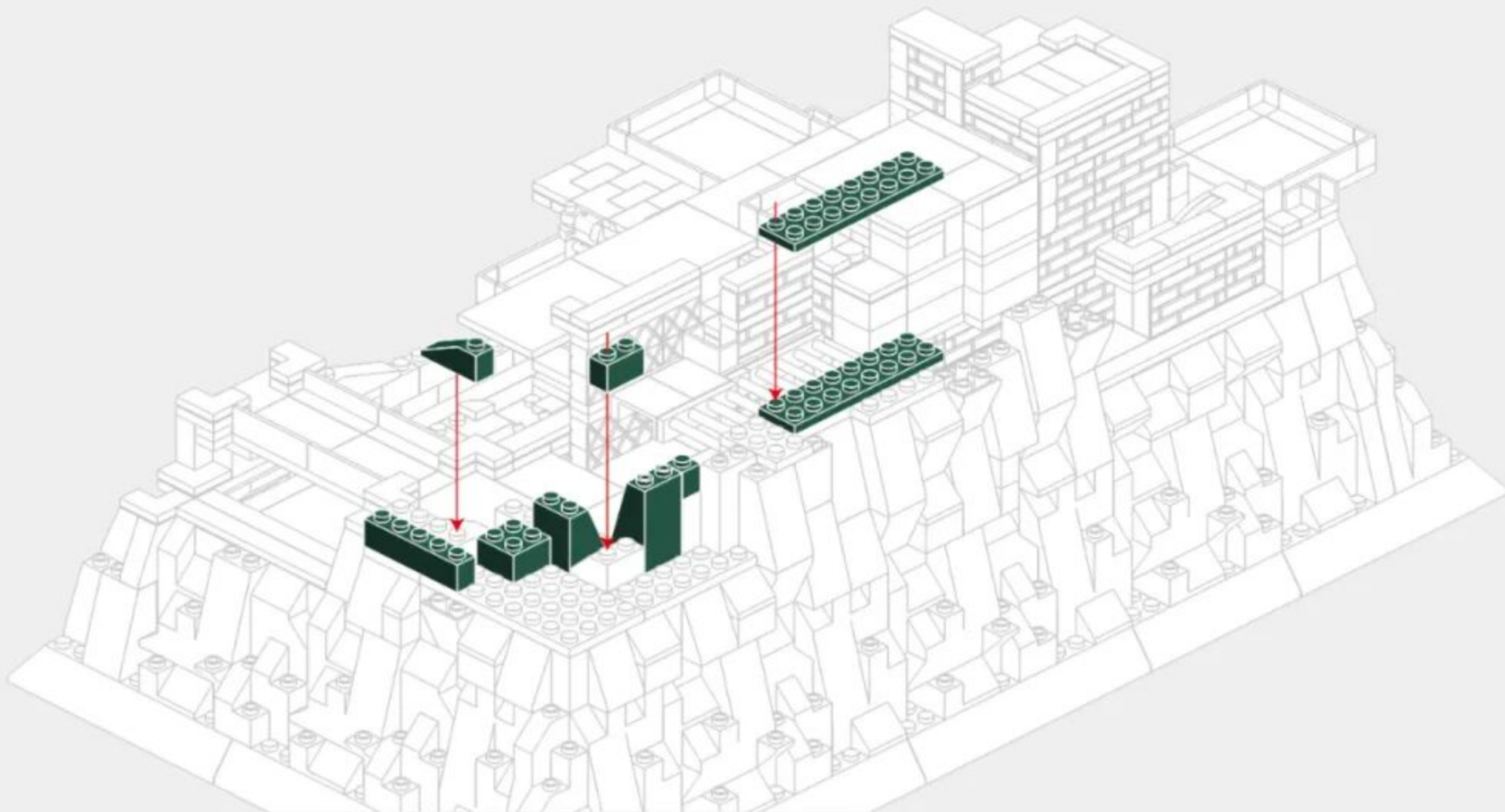
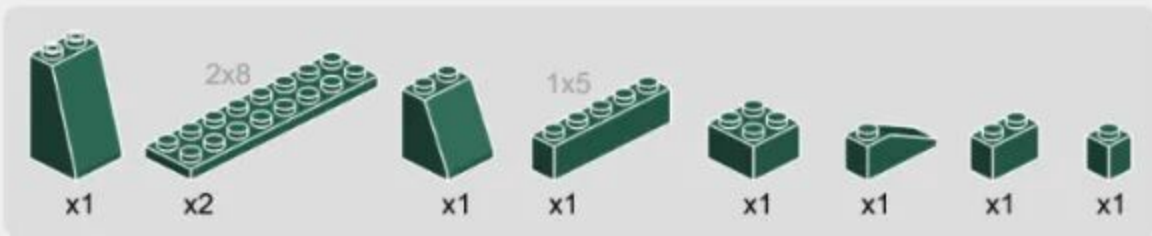
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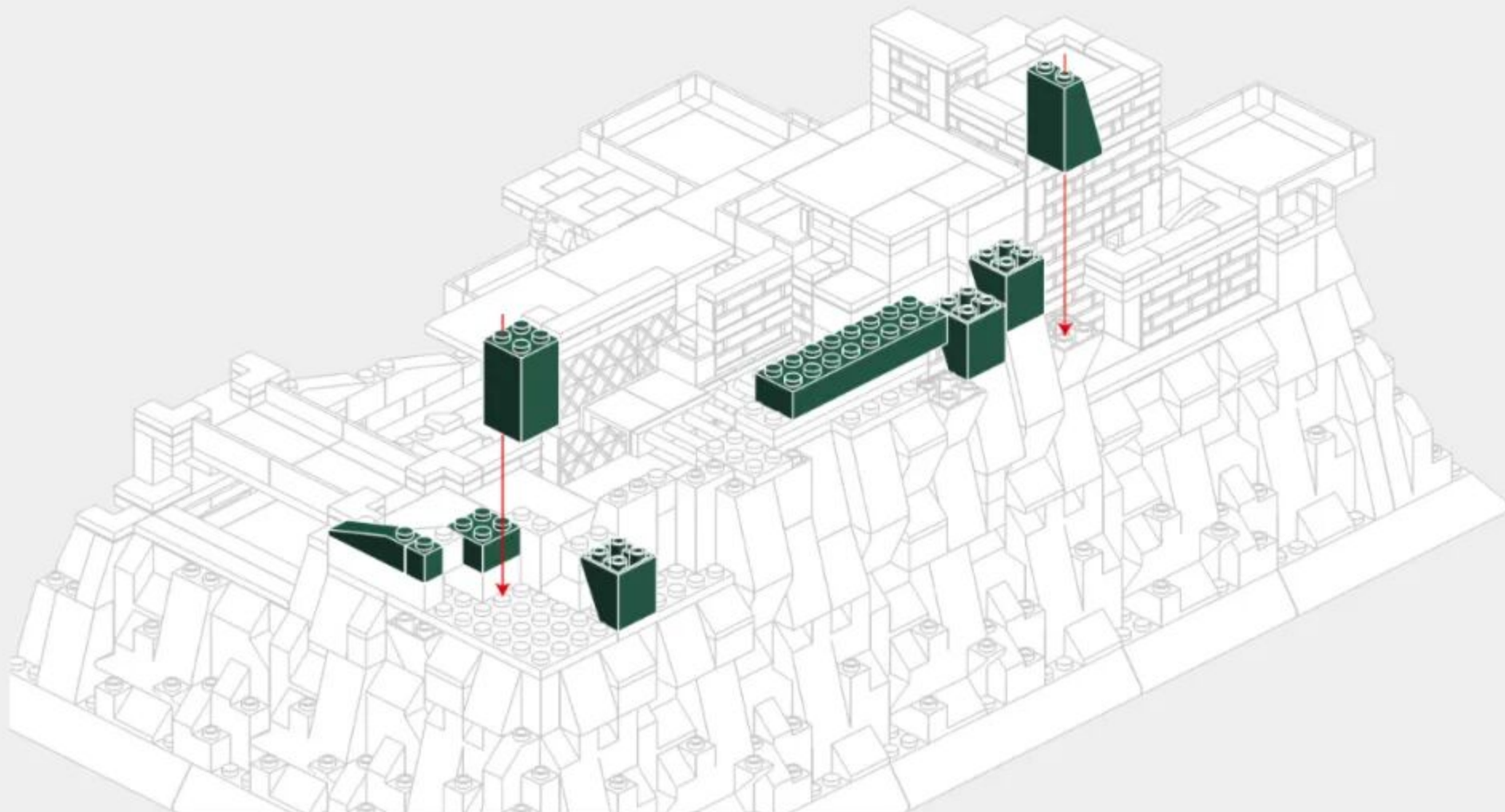
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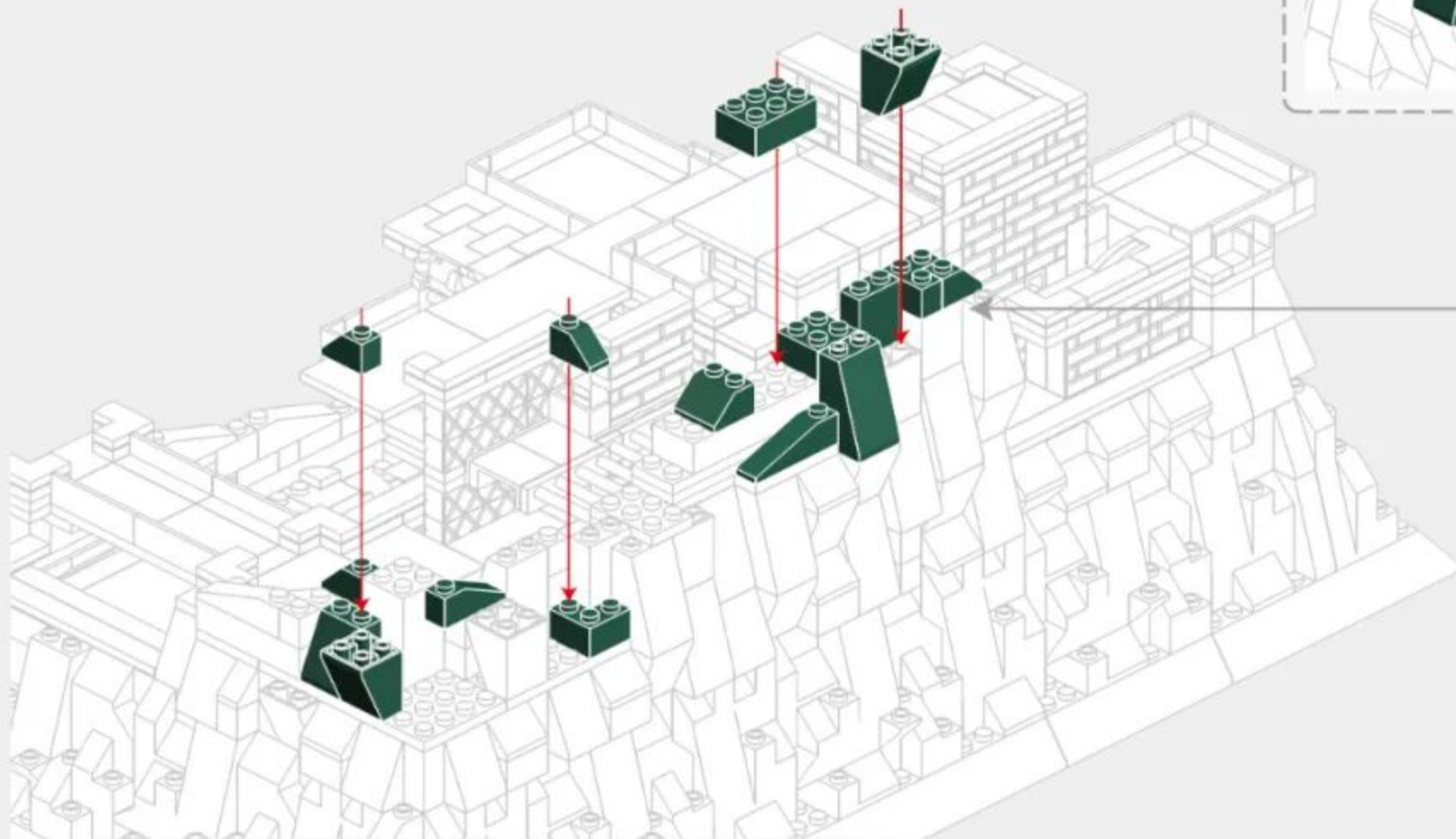
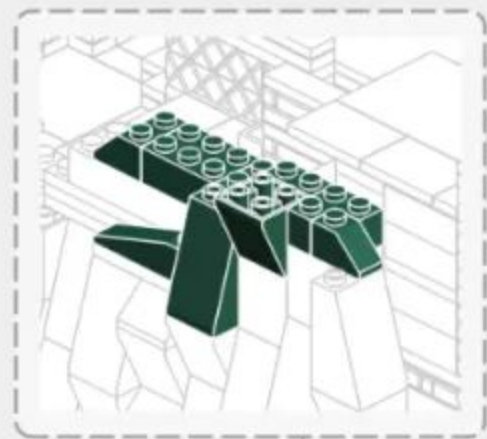
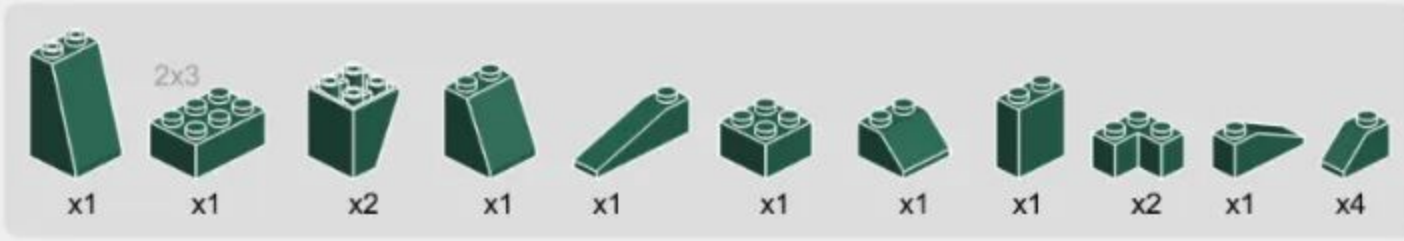
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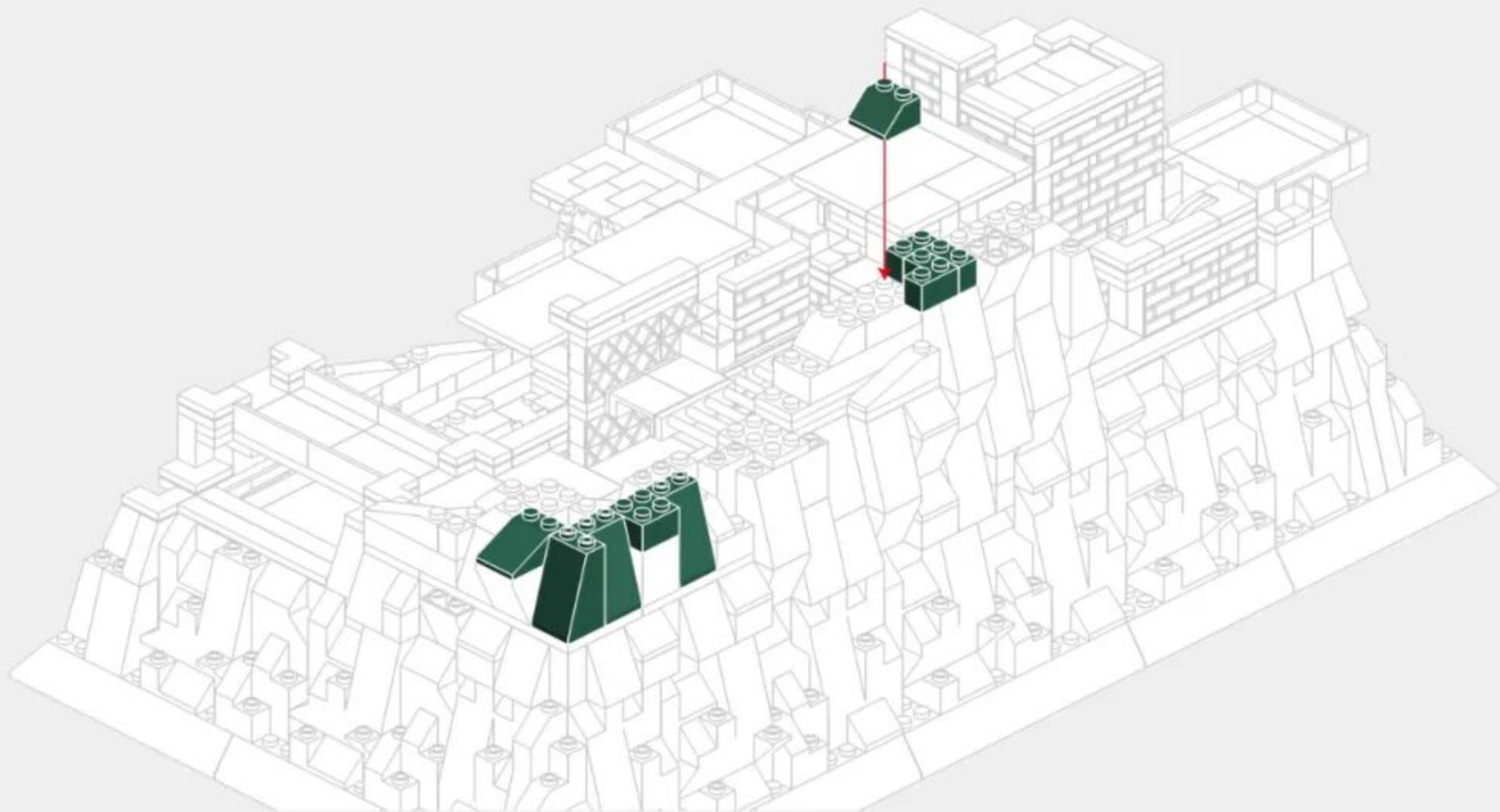
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5-7

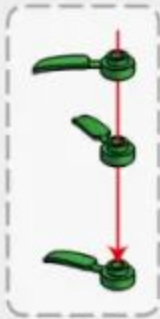
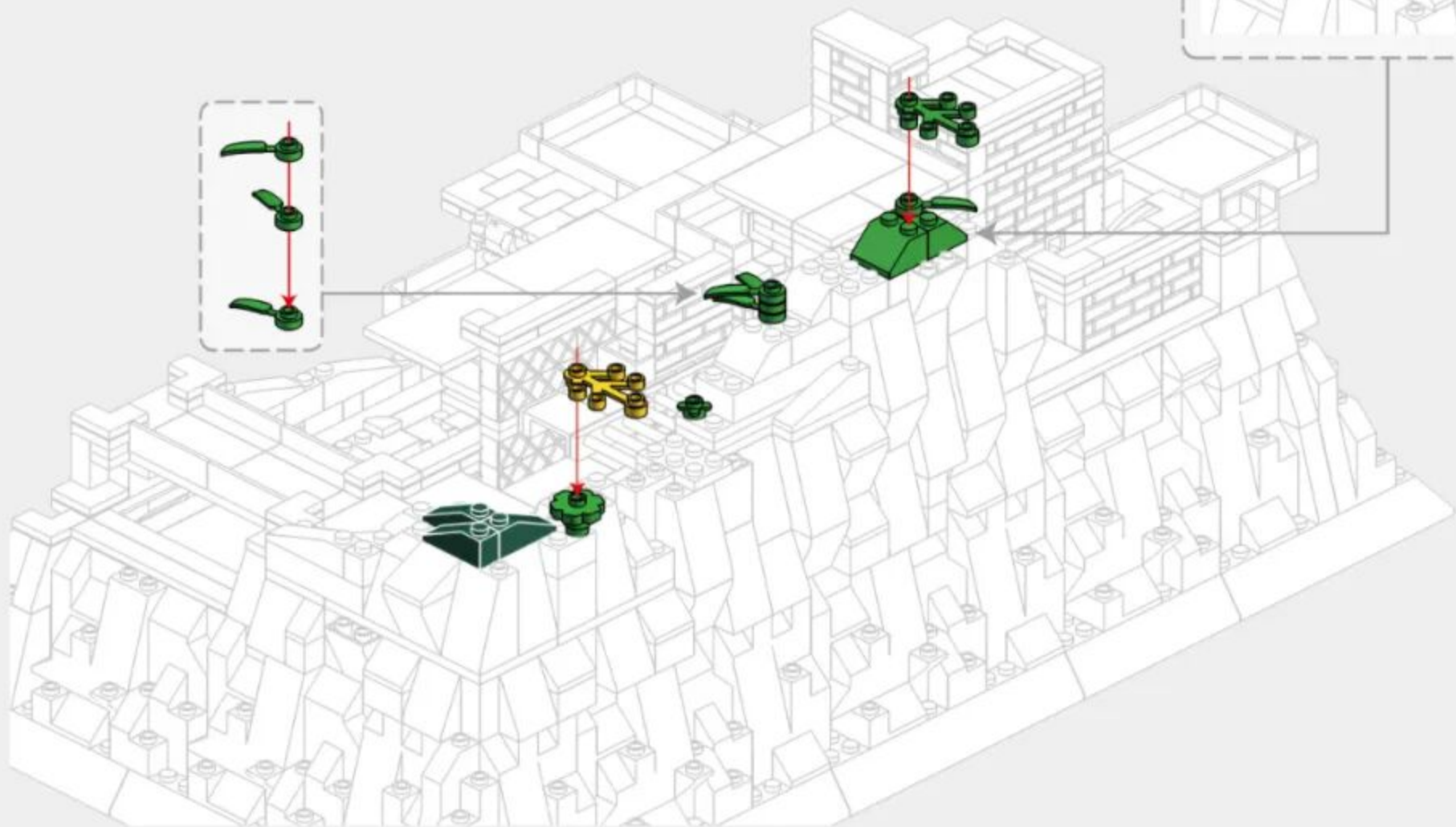
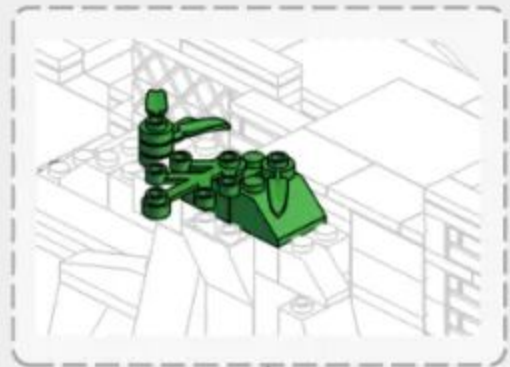


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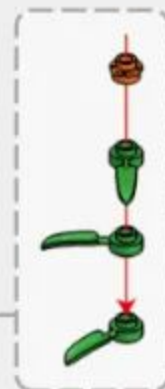
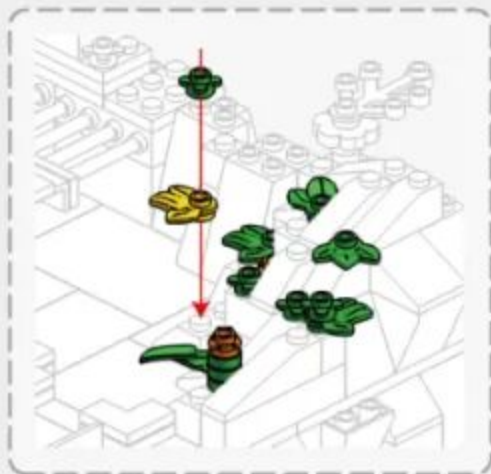
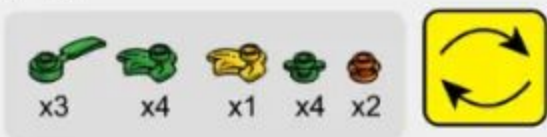


5-9

-  x2
-  x1
-  x1
-  x3
-  x1
-  x4
-  x1










5-10



5-11

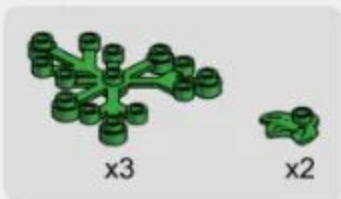


5-12

-  x1
-  x1
-  x1
-  1x3
-  x6
-  x2
-  x1



5-13



5-14



5-15



5-16



x2



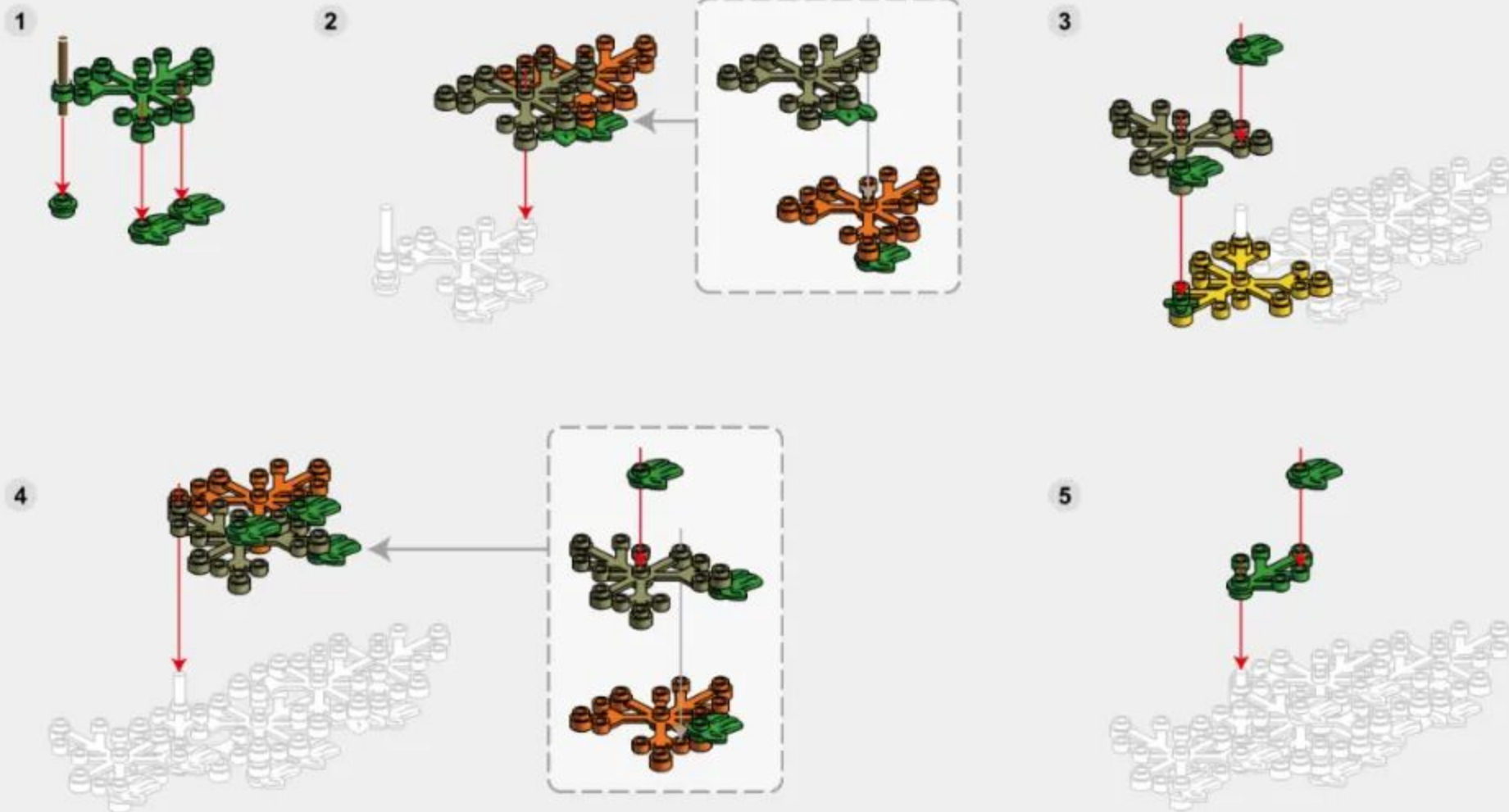
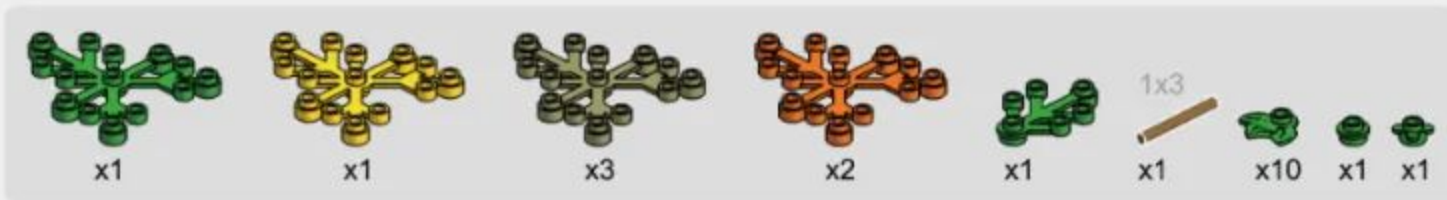
x1



x1



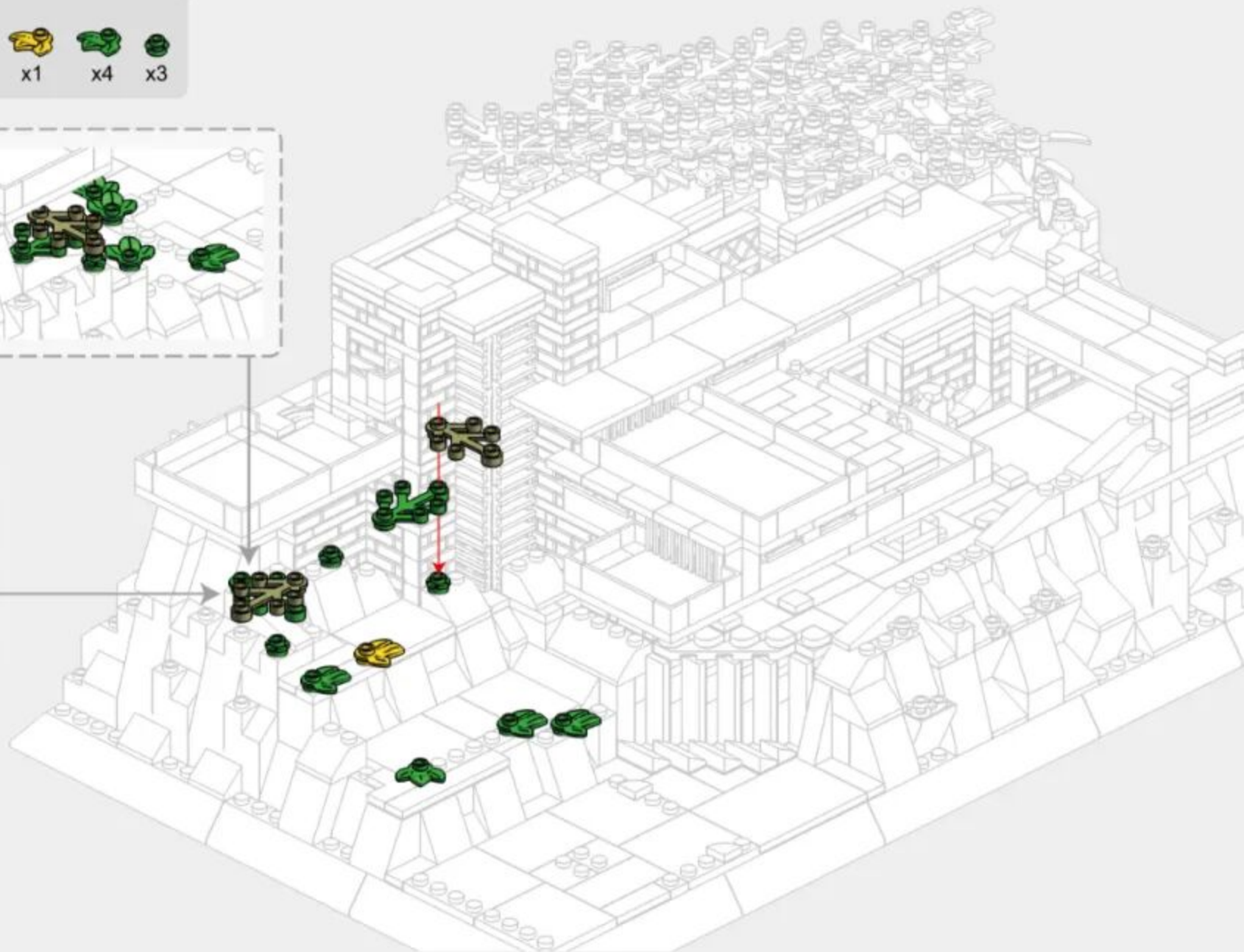
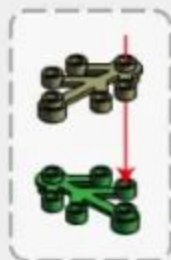
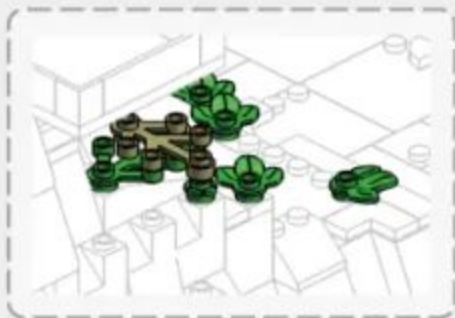
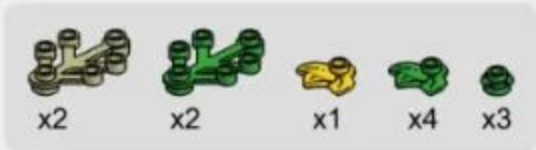
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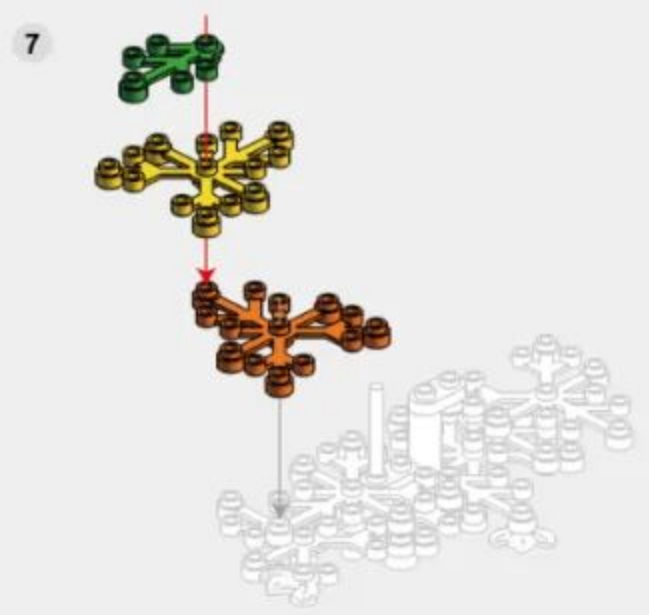
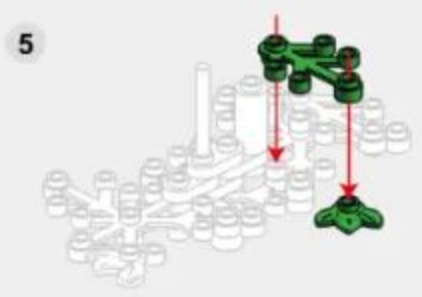
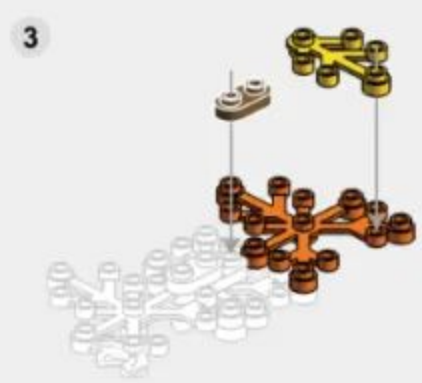
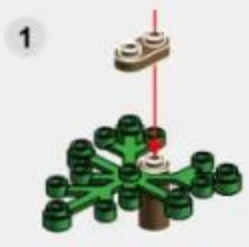
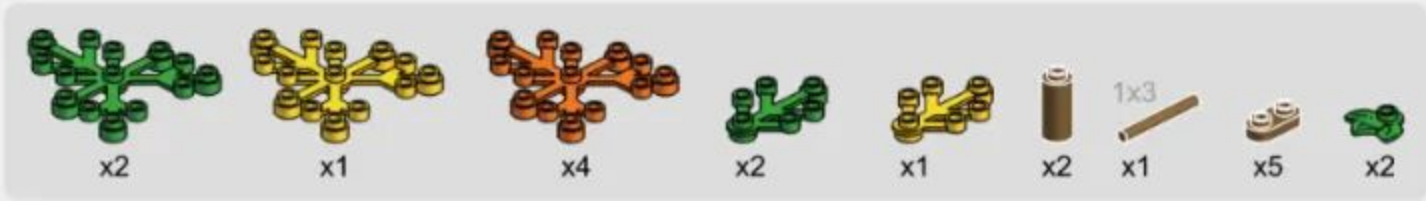
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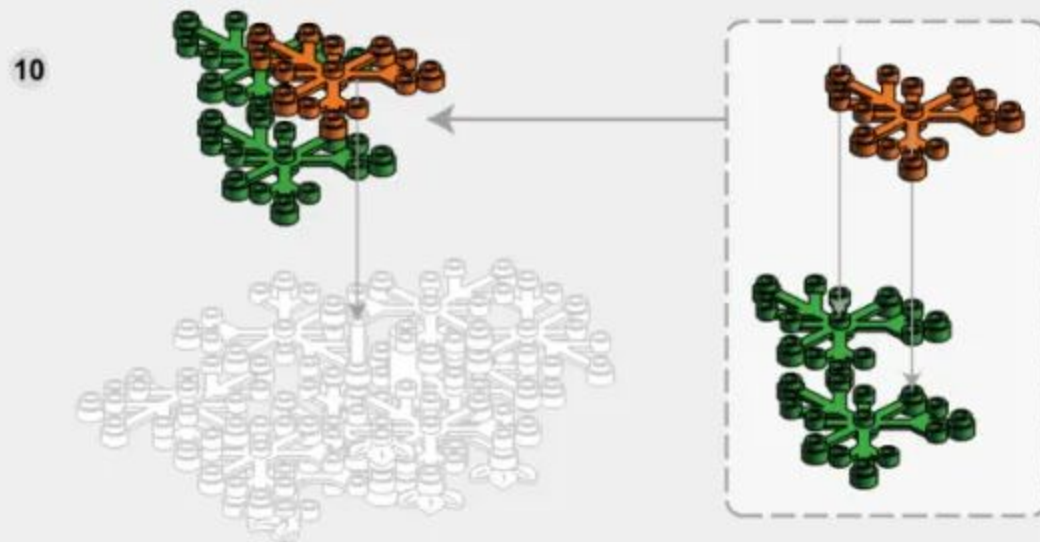
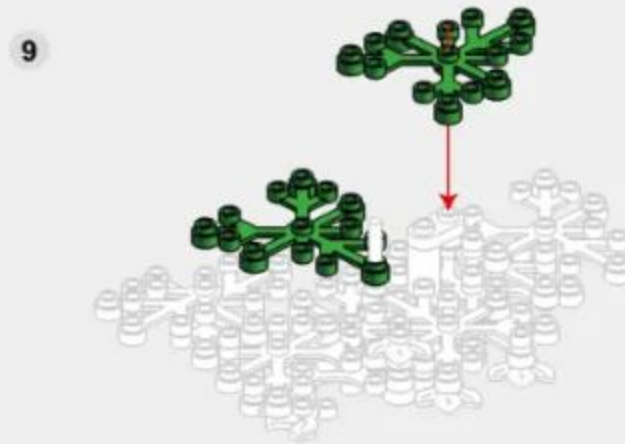
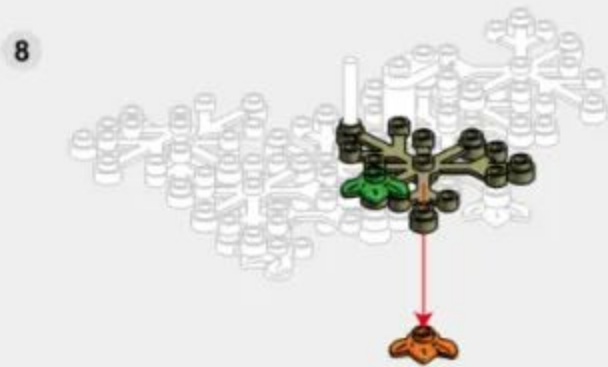
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5-20

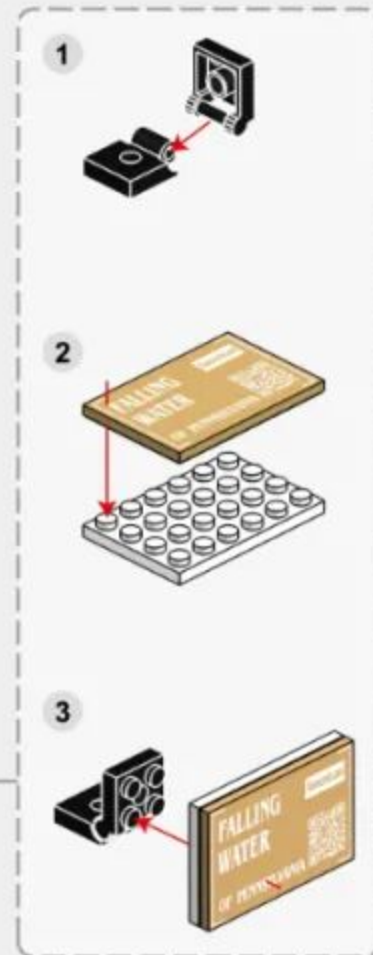
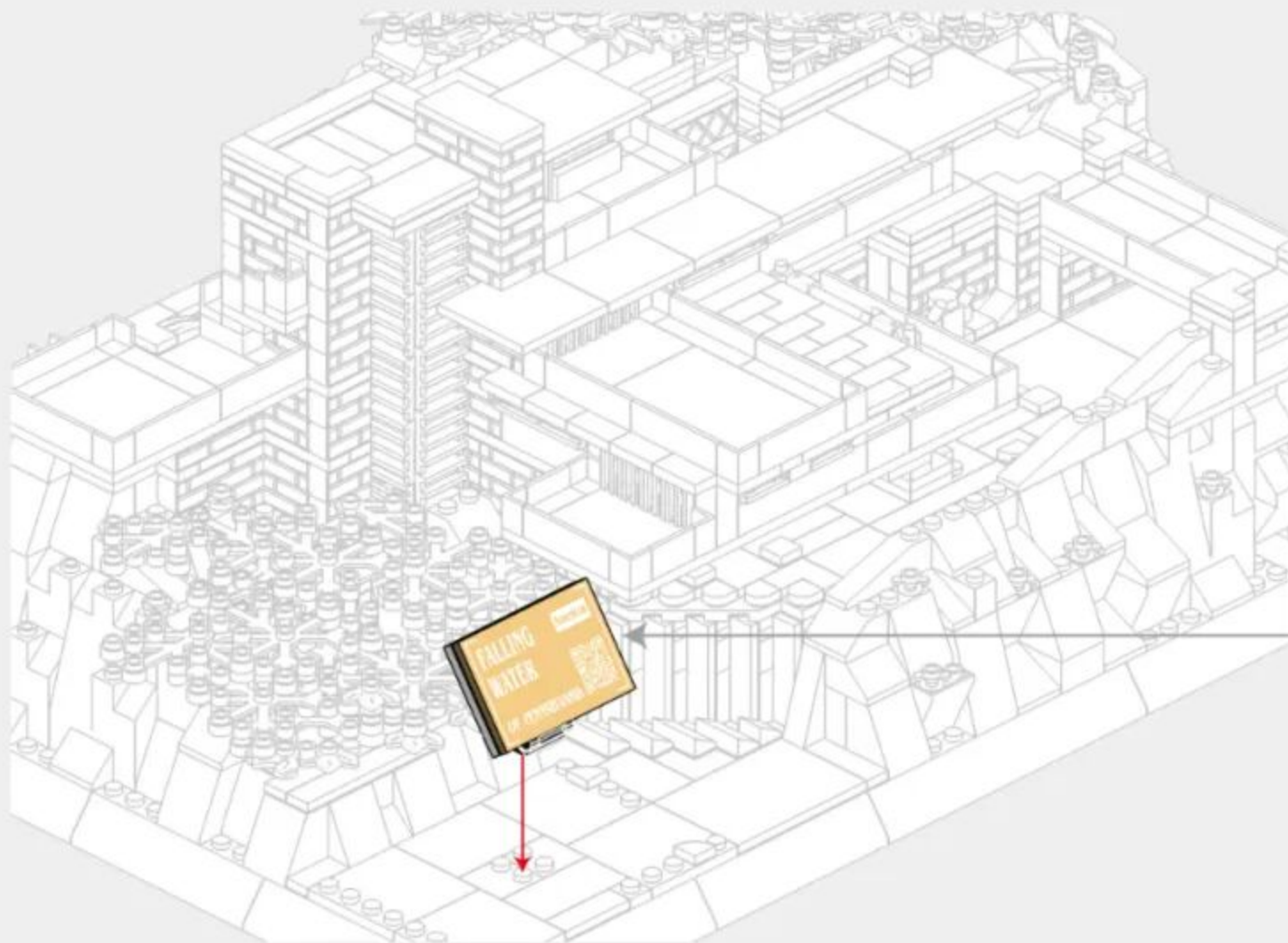
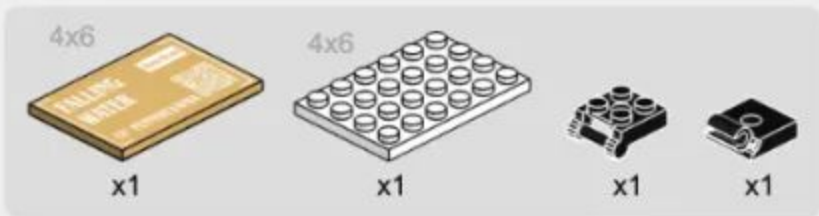


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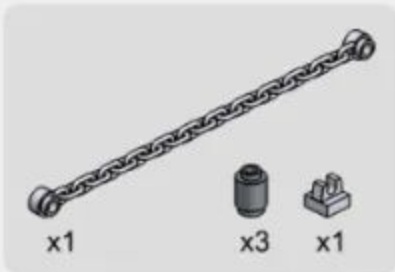




5-23



5-24



x1

x3

x1





ARCHITECTURE

The World's great architecture



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



7210 中国上海世博会中国馆
CHINA PAVILION AT EXPO-SHANGHAI, 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
TIANANMEN 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



6226 德国巴伐利亚新天鹅堡
SCHLOSS NEUSCHWANSTEIN-BAYERN, DEUTSCHLAND



5228 美国芝加哥威利斯大厦
WILLIS TOWER-CHICAGO, AMERICA



5229 土耳其伊斯坦布尔其少女塔
MAIDEN TOWER-ISTANBUL,TURKEY



5230 中国湖南长沙爱晚亭
AIWAN TING PAVILION-HUNAN,CHINA



5231 巴西里约热内卢救世基督像
CRISTO REDENTOR-RIO DE JANEIRO, BRASIL



5232 美国宾夕法尼亚州流水别墅
FALLINGWATER-PENNSYLVANIA, AMERICA



FALLINGWATER

COUNTRY: America

CITY: Pennsylvania



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