



We're transitioning from single-use plastic to paper-based packaging. As we progress, you may find a mix of paper and plastic in our boxes. Wir stellen von Einwegkunststoff-Verpackungen auf Verpackungen auf Papierbasis um. Möglicherweise findest du in der Übergangszeit sowohl Papier als auch Kunststoff in unseren Boxen.

Nous passons progressivement des emballages en plastique à usage unique aux emballages à base de papier. Au cours de cette transition, il est possible que vous trouviez à la fois du papier et du plastique dans nos boîtes.

Stiamo passando dalla plastica monouso agli imballaggi basati su carta. In questo periodo, potreste trovare un mix di carta e di plastica nelle nostre confezioni.

Estamos cambiando las bolsas de plástico desechables por bolsas con base de papel. Conforme avanzamos en este propósito, puede que encuentres una mezcla de papel y de plástico en nuestras cajas.

Estamos a fazer a transição do uso de plástico descartável nas embalagens por embalagens à base de papel. À medida que progredimos nesta transição poderá encontrar um misto de papel e plástico nas nossas caixas

Átállunk az egyszer használatos műanyagról a papír alapú csomagolásra. Az átállás folyamatos, ezért előfordulhat, hogy papír és műanyag zacskót egyaránt találsz a dobozainkban.

Mēs pārejam no vienreizlietojamas plastmasas uz iepakojumu, kurā izmantots papīrs. Pārejas procesa laikā kārbās var būt gan papīra, gan plastmasas daļas.

Facem tranziția de la ambalajele de unică folosință din material plastic la ambalaje pe bază de hârtie. Pe măsură ce avansăm, s-ar putea să găsești un amestec de hârtie și material plastic în cutiile noastre.

我们正在从一次性塑料包装向纸质包装过渡。在此过程中,你可能会发现我们同时采用纸质包装和塑料包装!

LEGO.com/sustainable-packaging

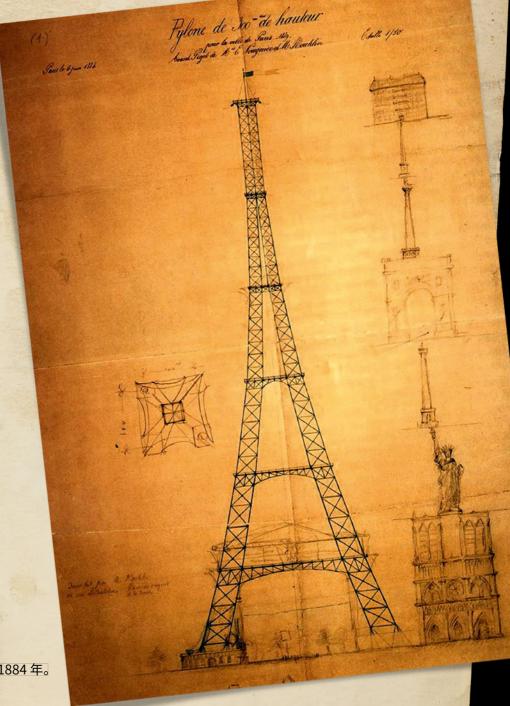


最初设想

为了庆祝法国大革命胜利 100 周年,法国政府决定举办世界博览会,并发起一项官方竞赛,为展览会寻找适宜的中心建筑。委员会从 107 个提交的项目中选择了古斯塔夫·埃菲尔高达 300米 (985 英尺) 的铁塔设计。

他的两位工程师 Maurice Koechlin 和 Emile Nouguier 已经有了一个想法:建造一座大型塔架,其拥有 4 根独立的格构梁柱,它们在顶部连接在一起。公司建筑师 Stephen Sauvestre 随后提出用石雕基座来装饰支腿,并以装饰性拱门连接第一层的柱子。

古斯塔夫·埃菲尔希望这座建筑能够代表"现代工程艺术的水平,以及我们所生活的工业和科学时代"。



埃菲尔铁塔早期草图,约1884年。

古斯塔夫·埃菲尔

(1832 - 1923)

古斯塔夫·埃菲尔于 1832 年 12 月 15 日出生于法国第 戎,是一位非常有天赋的工程师和建筑商。他于 1855 年毕 业于巴黎中央工艺制造学校 (École Centrale des Arts et Manufactures),并于 1864 年成立了自己的建筑公司。

他因设计许多不同的金属建筑而闻名于世,系列作品包括铁路桥梁、高架桥、自由女神像的内部框架等。他和他的公司以其独创性和创造力而声名远播,并因埃菲尔铁塔的建造而达到顶峰。



古斯塔夫 · 埃菲尔



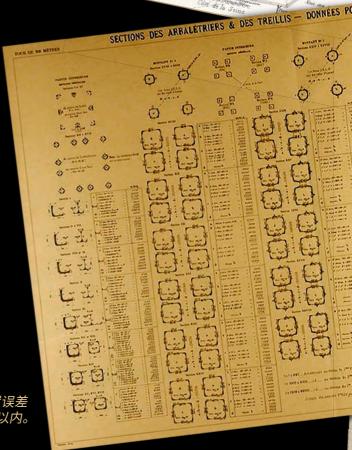
古斯塔夫·埃菲尔在塔顶为自己建造并预留了一座小公寓,用以招待客人。它现在已向公众开放,配有当时的装饰、埃菲尔及其一些名流客人的人体模型。

施工

古斯塔夫·埃菲尔的公司为了将 18038 个单独的部分组合在一起绘制了超过 5000 幅图纸。地基施工于 1887 年 1 月开始,塔楼的组装干当年 7 月 1 日开始。

所有组件都是在埃菲尔位于巴黎郊区勒瓦卢瓦-佩雷的工厂制作的。由蒸汽起重机将这些组件送上建筑,随着施工的进展,蒸汽起重机本身也被搬上了高塔。

这座建筑耗时两年零两个月零五天。在1889年3月,埃菲尔带领大批政府官员和媒体登上了这座世界最高建筑的顶端。由于升降机尚未投入使用,因此步行上塔用了一个多小时。在这里,埃菲尔在25门礼炮的伴奏下展开了一面巨幅三色旗。



Company of

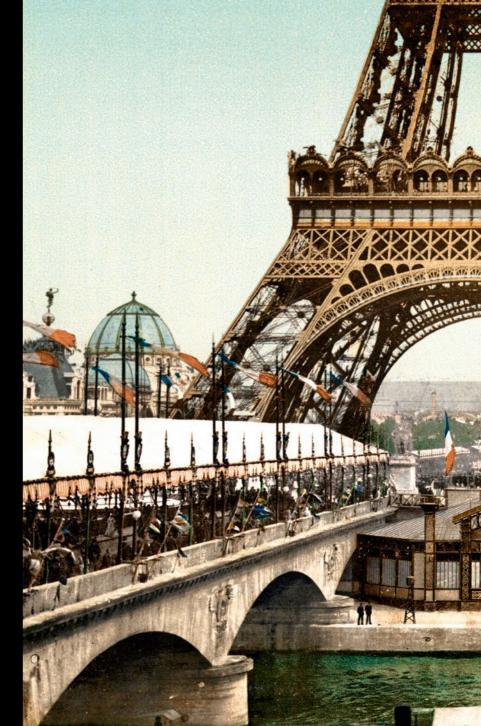
(Voir Fig. 3) Schelle OmOOS p. m.

规定 250 万个铆钉孔的位置误差 控制在 0.1 毫米 (0.04 英寸) 以内。



世界 博览会 1889

1889年世界博览会参展商的数量超过61000家,其中25000家来自法国境外,涵盖科学、技术、工业工程、美术等领域。博览会横跨巴黎的两大景点,在六个月内吸引了3200万游客。埃菲尔铁塔本身立即取得了成功,为了上塔一游,人们排成了望不到头的长队。铁塔第一层的门票价格为2法郎,第二层为3法郎,顶层为5法郎,周日半价。到1889年10月博览会结束时,仅此塔就接纳近200万游客。





世界最高建筑

建筑商、建筑师和工程师一直渴望建造高大的建筑,能够摘星揽月。随着时间的推移,工具和技术不断改进和发展,投入的规模和力度也越来越大。埃菲尔铁塔是世界上第一座高度超过200米(656英尺)和300米(984英尺)大关的建筑,并于1889年完工时成为当时最高的人造建筑。这一纪录一直保持到1930年,美国纽约高达319米(1046英尺)的克莱斯勒大厦开业。

从那时起直到现在

埃菲尔铁塔原定在建成后 20 年拆除,为了保留这座高塔,埃菲尔成功证明了其在通信和科学方面的价值。塔上安装了气象实验室和小型风洞,并进行了超过 5000 次科学实验。随着无线电报的出现,对塔的顶部进行了改造,以容纳越来越多的天线,甚至一根电视天线将铁塔的高度增加至到 324 米 (1063 英尺)。

时至今日,埃菲尔铁塔接纳的游客数量仍超过其他付费的名胜古迹——约每年 700 万人。约 500 名员工负责铁塔的日常运营,以确保热切的游客欣赏城市全景。









"我很幸运,小时候曾两次登 上埃菲尔铁塔。"

ROK ZGALIN KOBE

设计团队感言

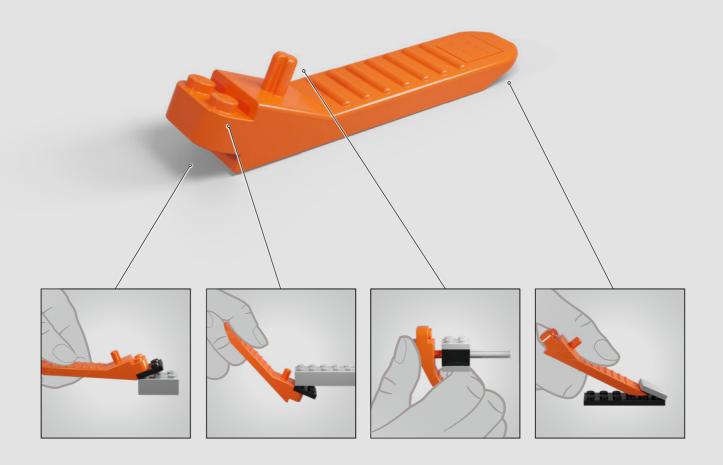
高级乐高°设计师 Rok Zgalin Kobe 是将这款乐高版埃菲尔铁塔生动呈现的设计团队的一员。

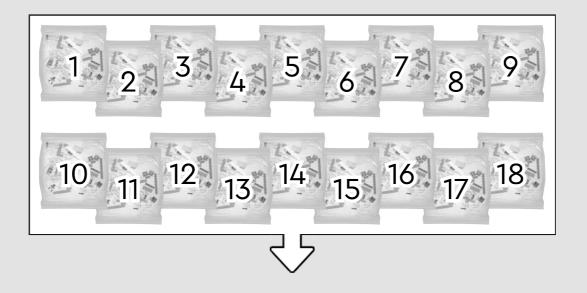
"我的目标是将乐高出色的执行力与原始塔楼的设计原则相结合。我试图在乐高系统允许的范围内尽可能地遵循真实塔楼的结构原理。例如,模型中承重桁架的放置方式与原始塔楼承重桁架的相同。就像原始建筑一样,乐高建筑的关键部分是连接第一层的支腿。

这种尺寸的套装所面临的最大挑战是其稳定性和可拼搭性,以及将最终模型转换为乐高拼搭说明中的逻辑流程。不但要确保它足够简单、易于遵循且不会出错,同时还要使其具有足够的挑战性,令整个拼搭过程欢乐有趣。

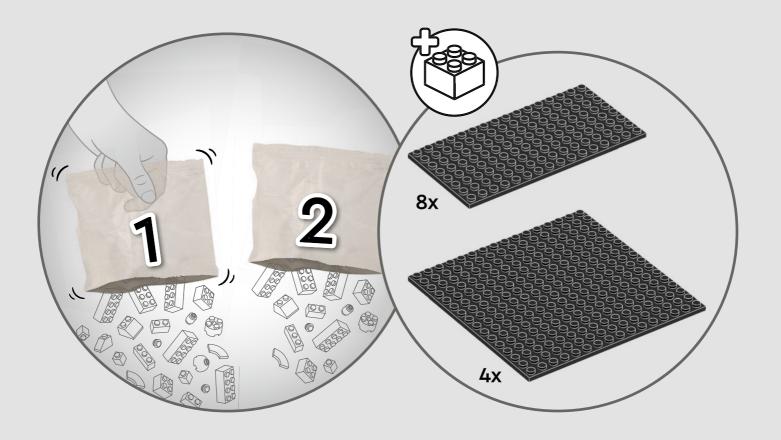
我很荣幸能够参与这个项目,将人类历史上最著名的建筑之一转化为乐高模型。我以前制作过这座塔楼的较小版本,而这座——迄今为止最高的乐高模型——在规模上大不相同!"



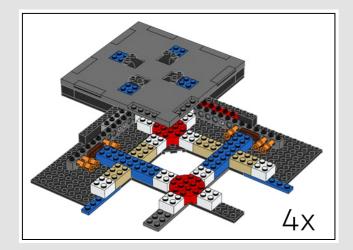


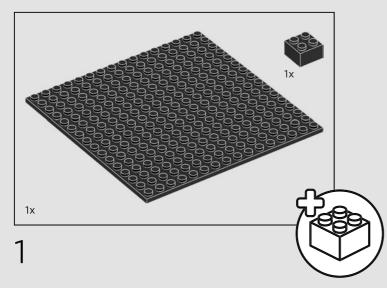


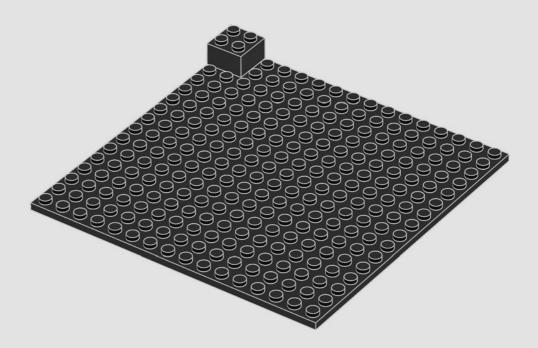


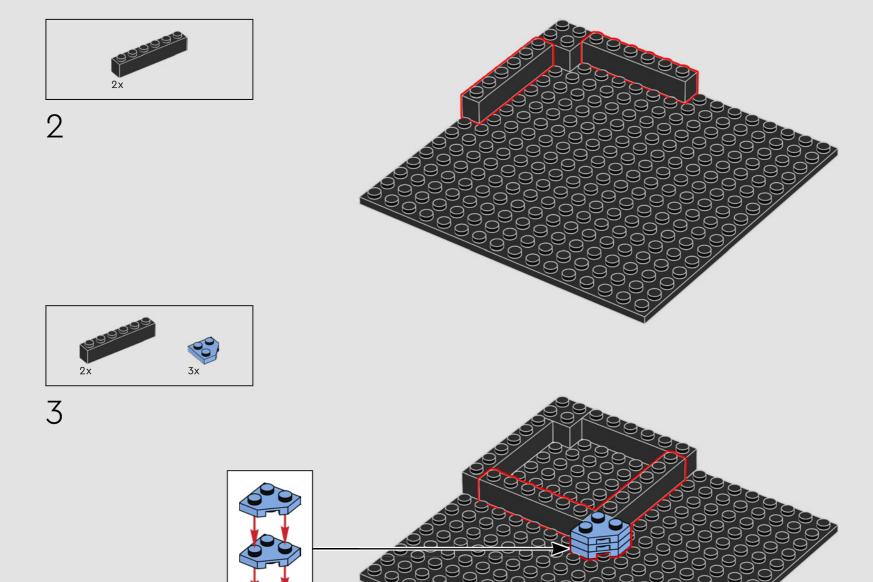


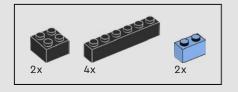


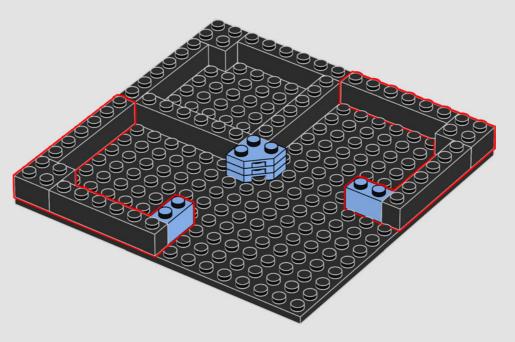


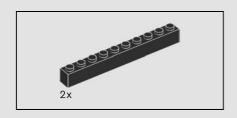


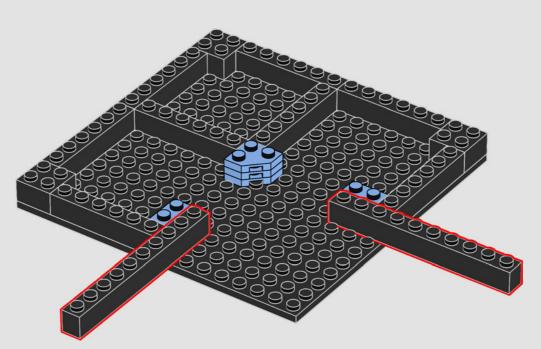


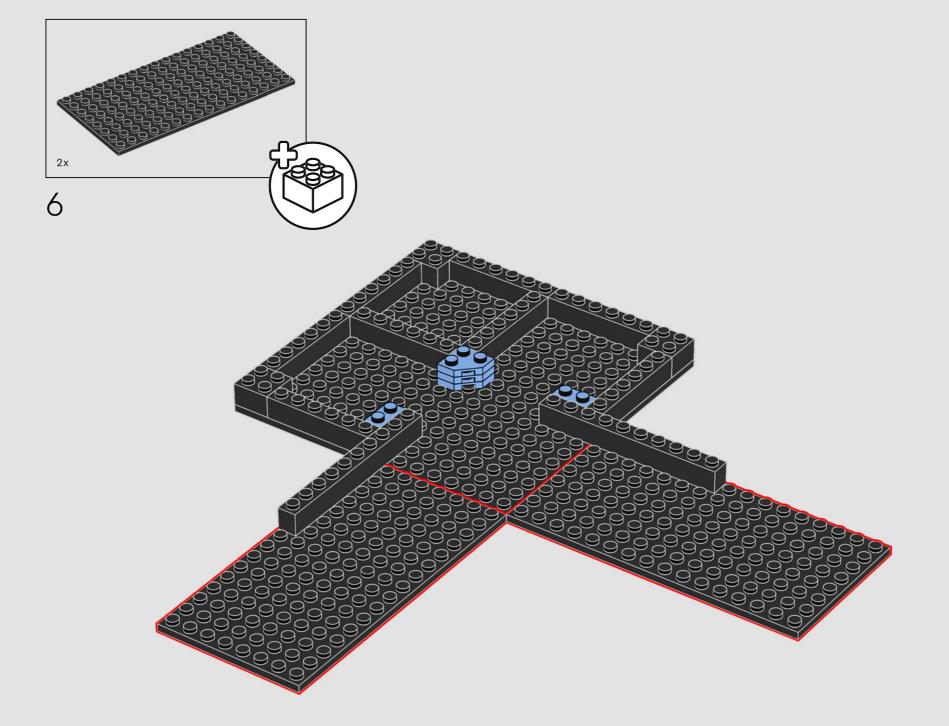


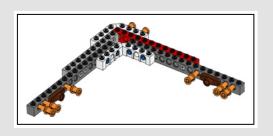




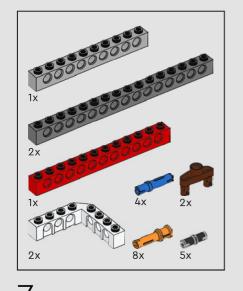


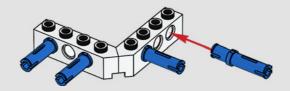


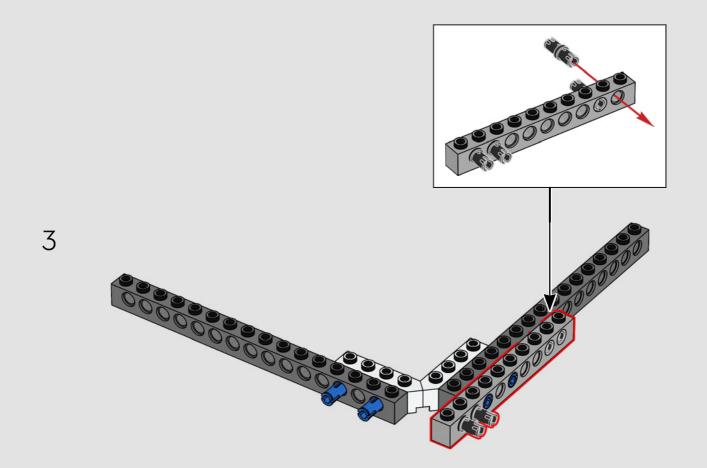


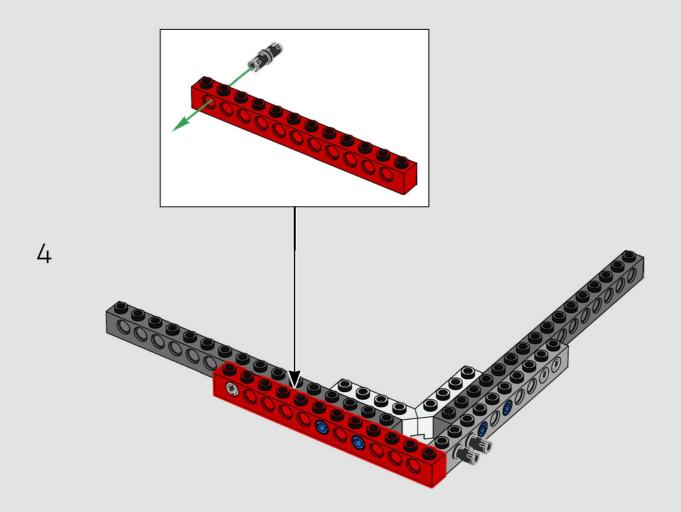


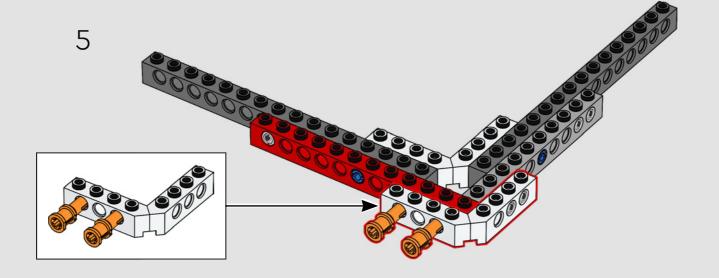
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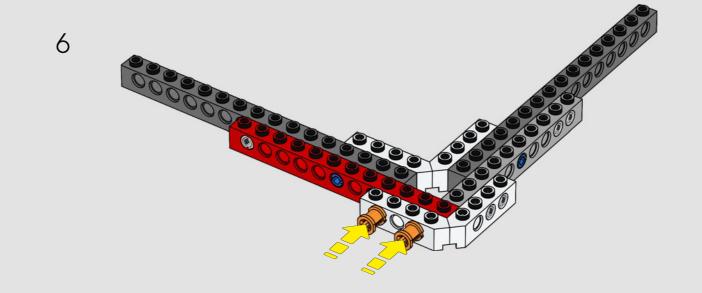


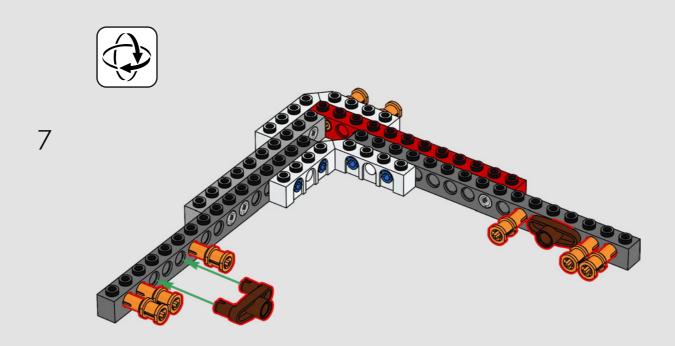


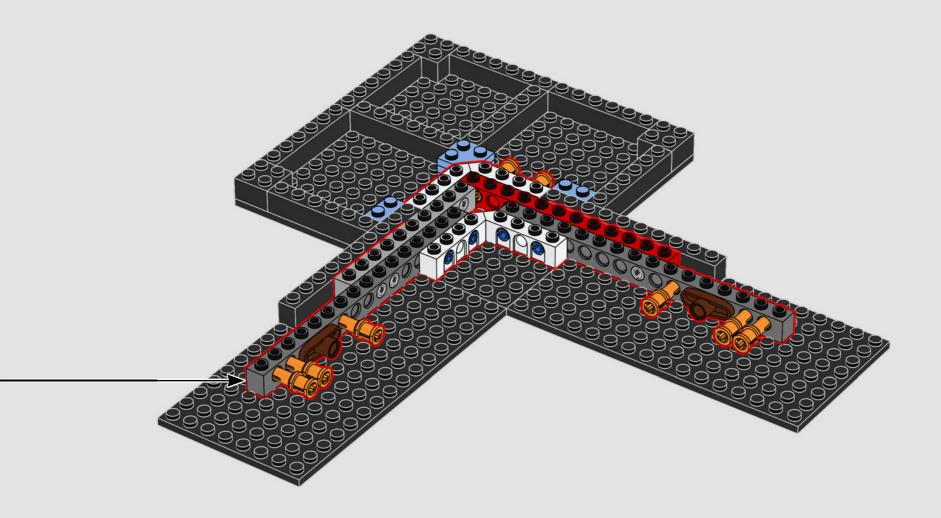




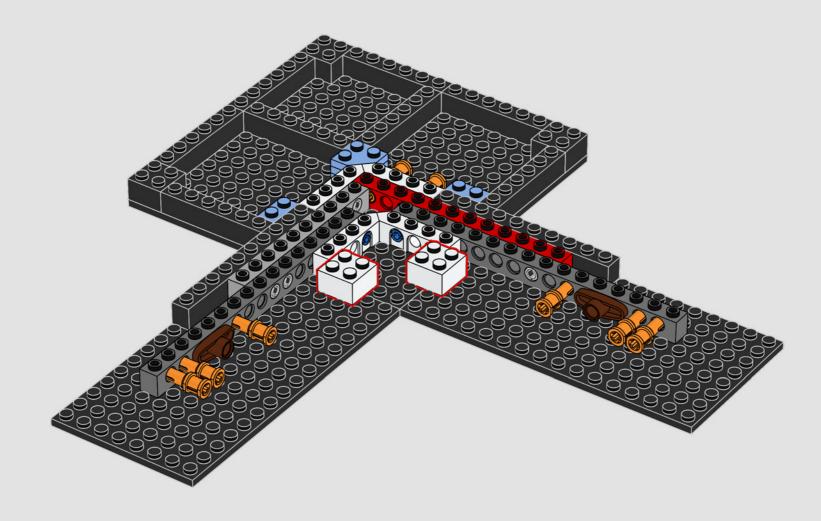






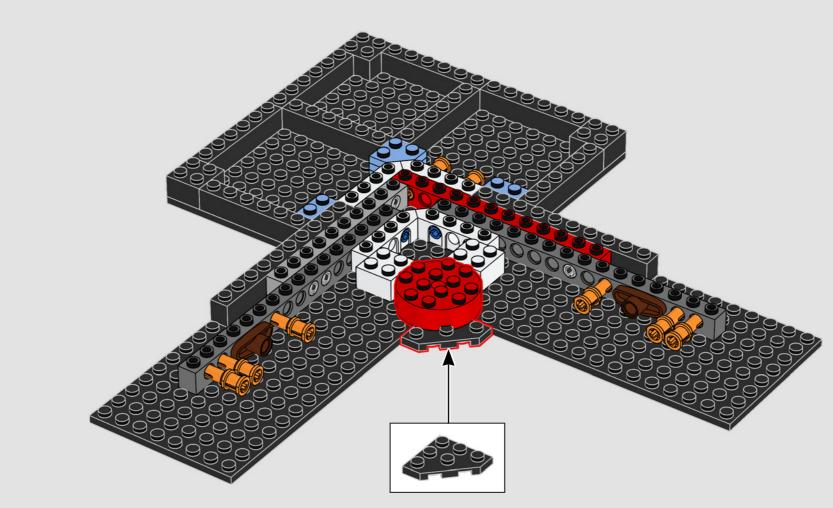


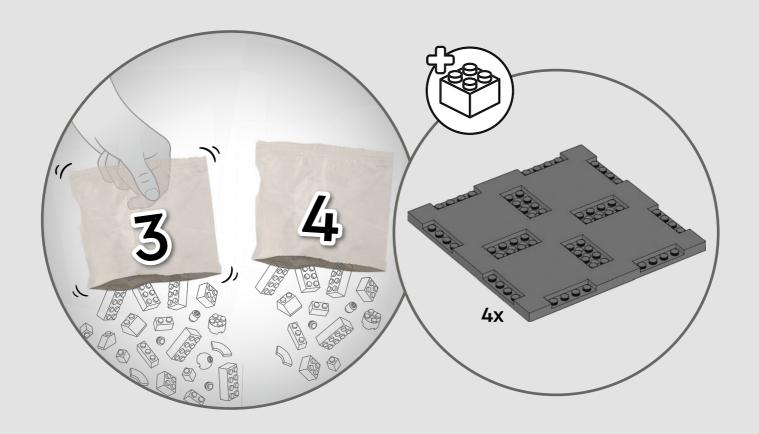


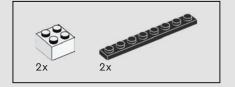


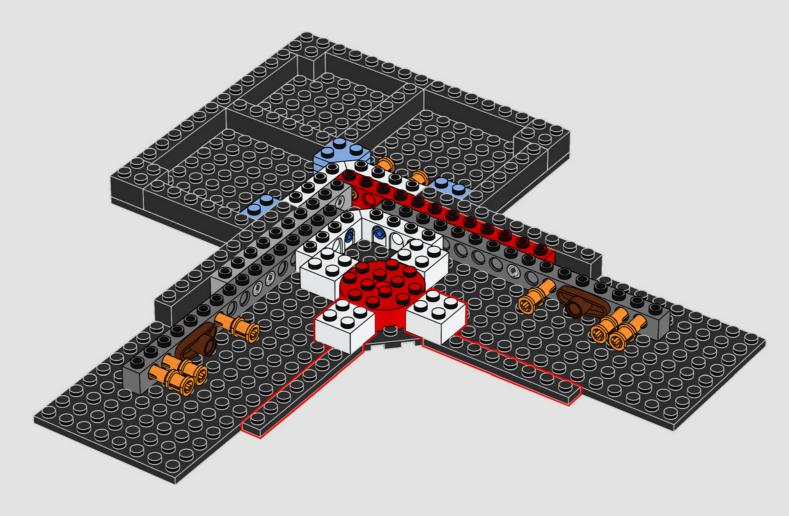




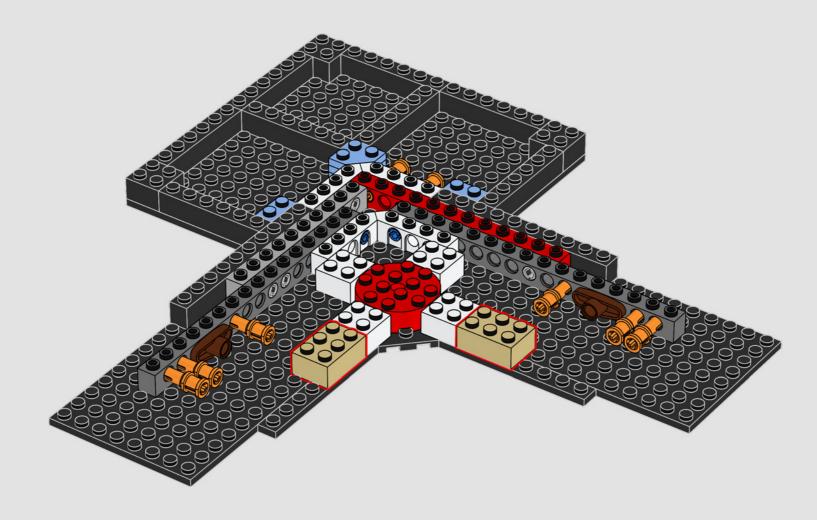


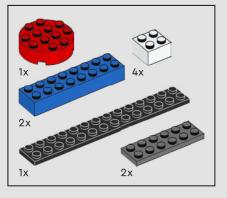


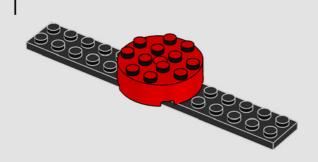


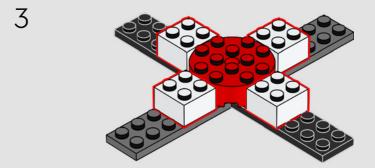


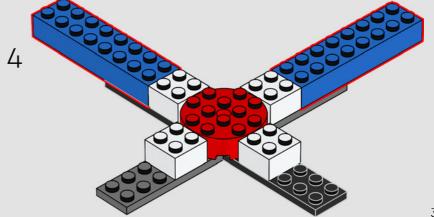


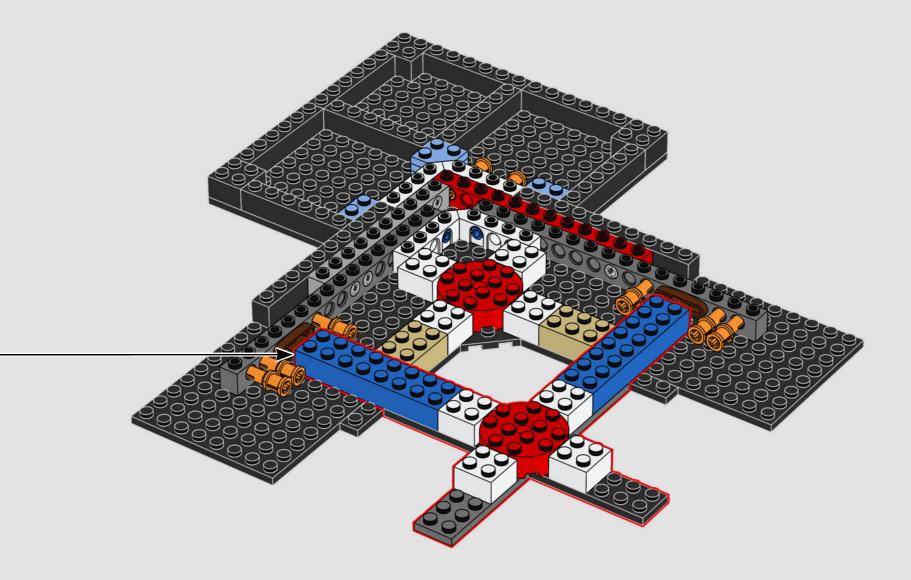


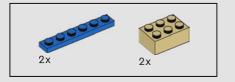


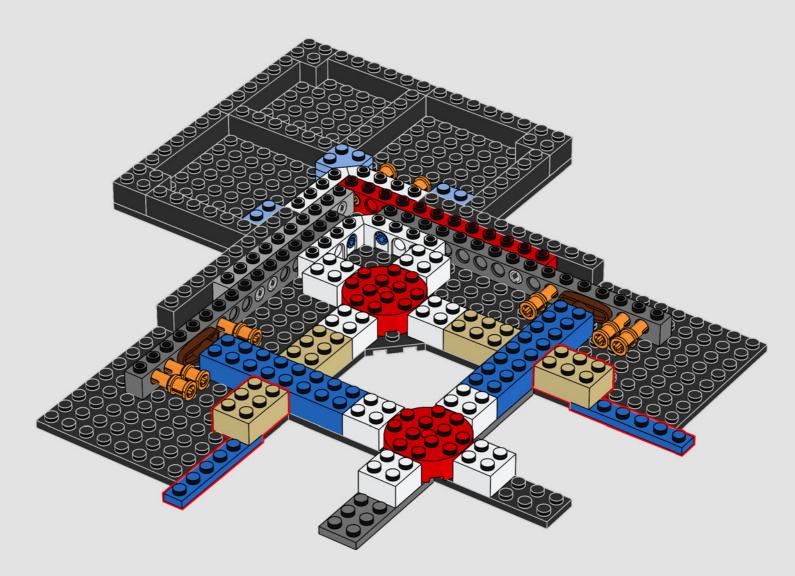




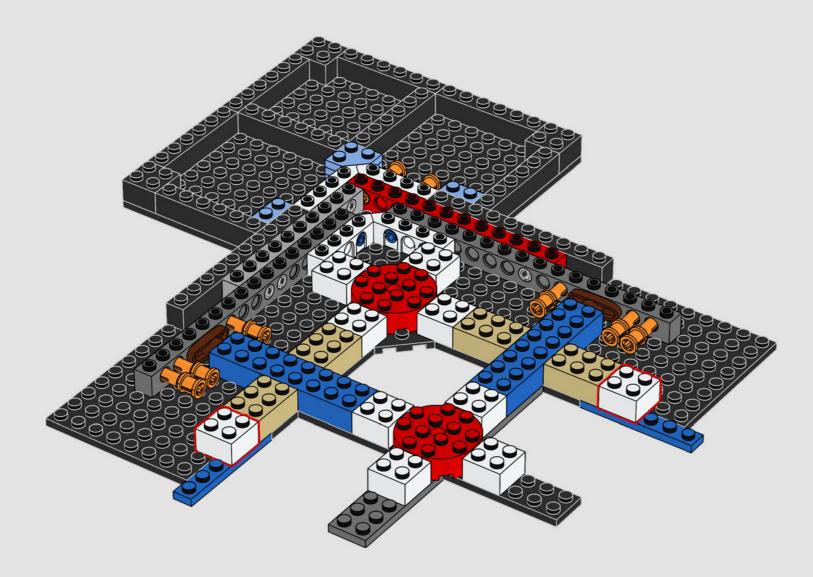


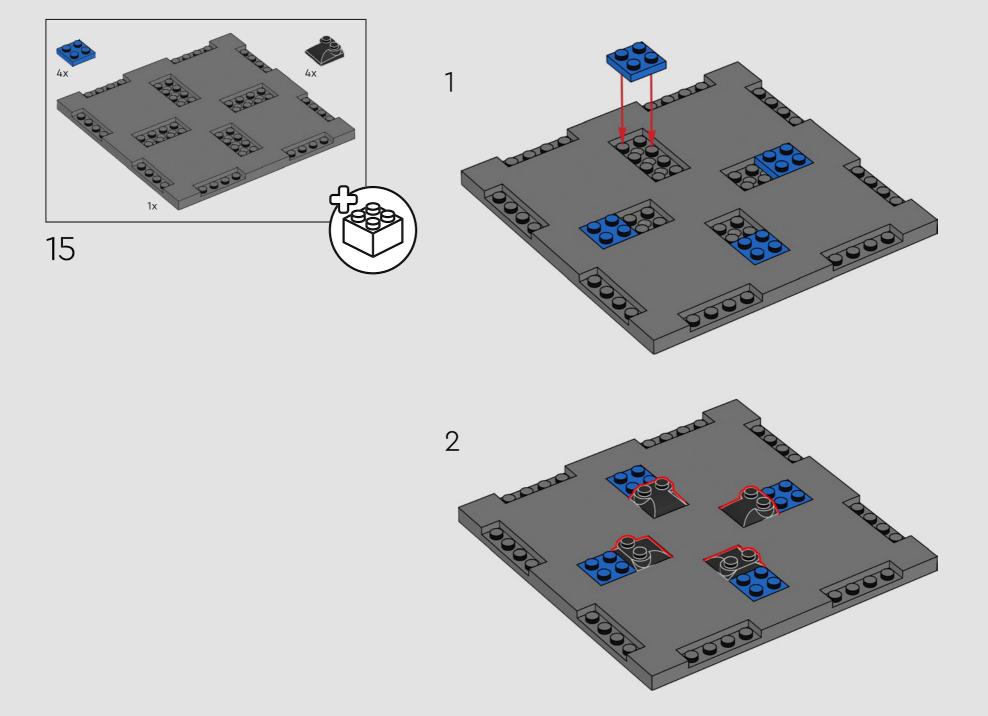


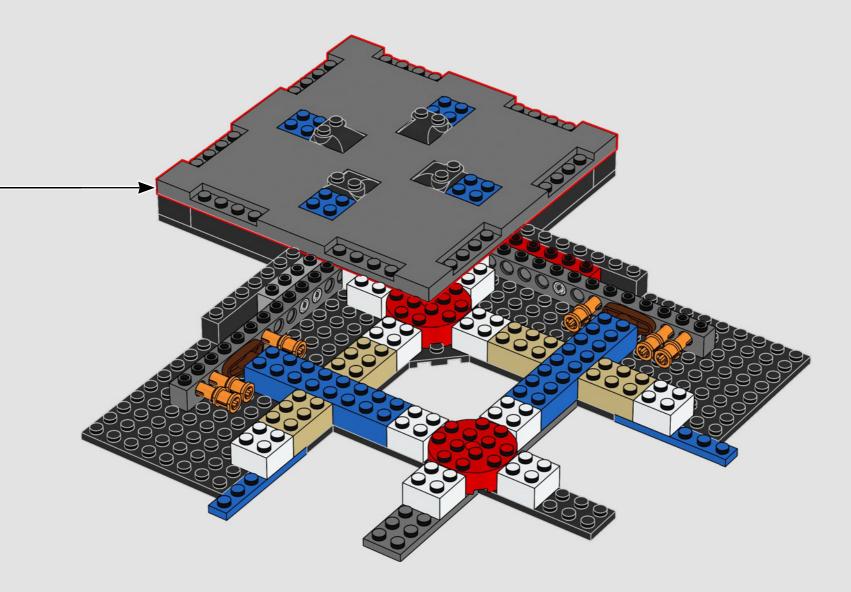


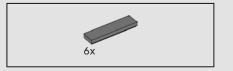


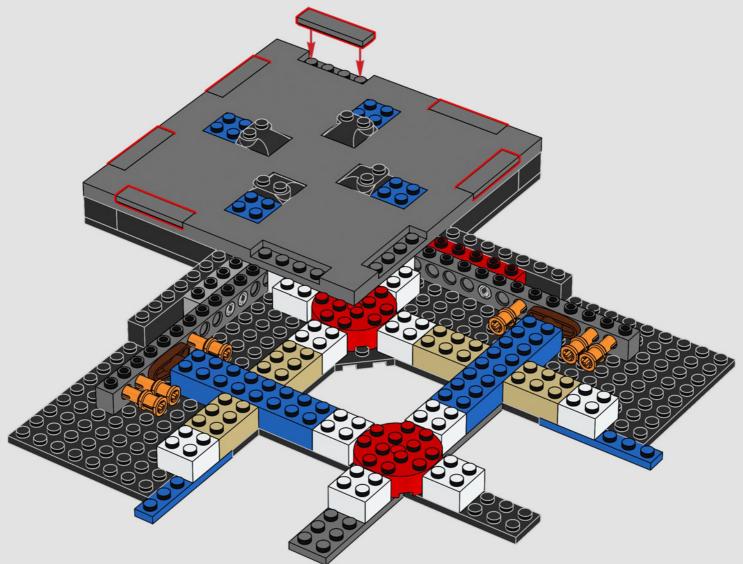




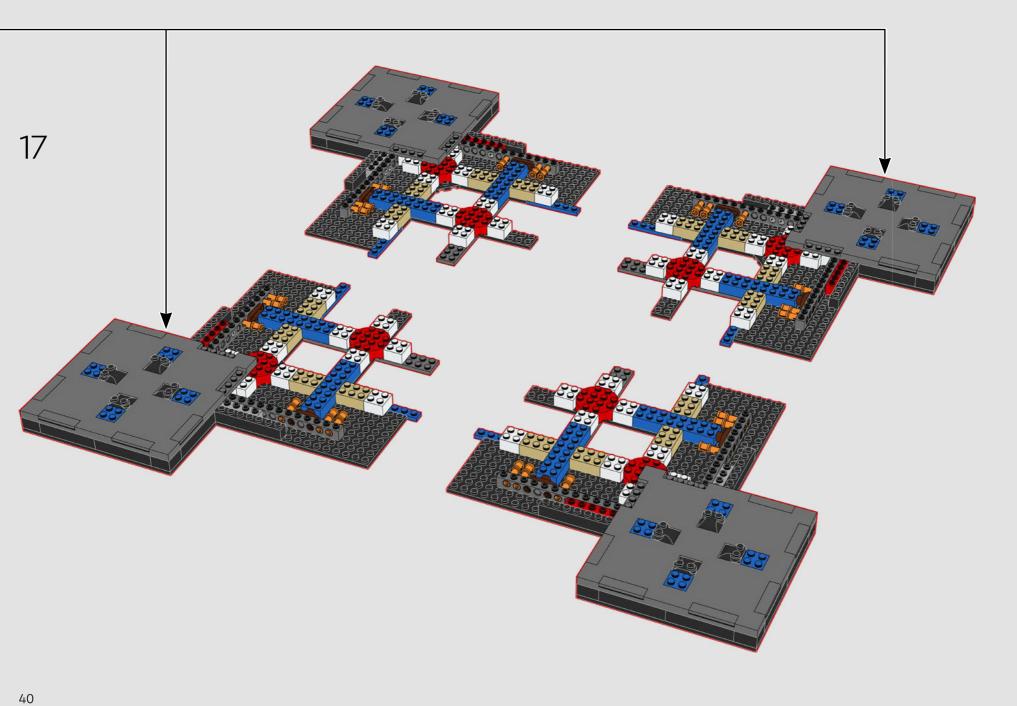




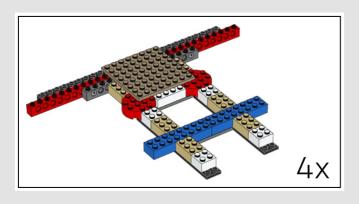


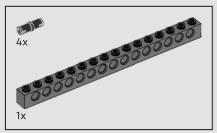


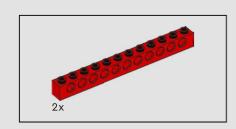
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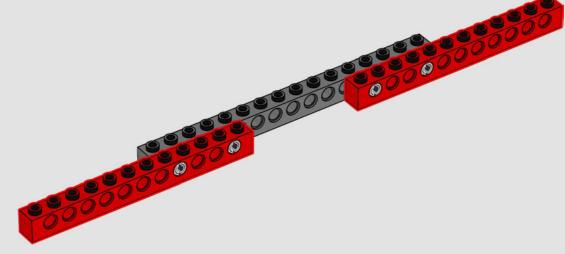




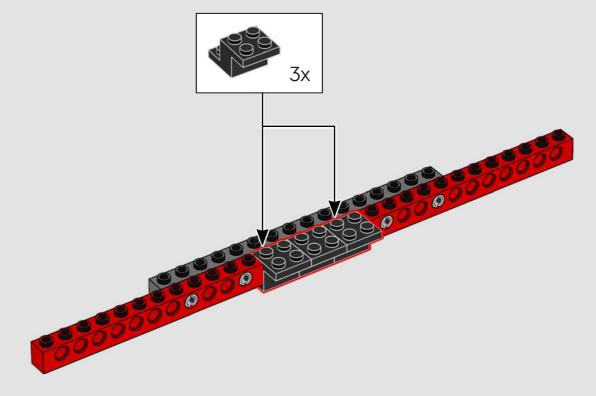


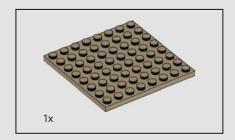






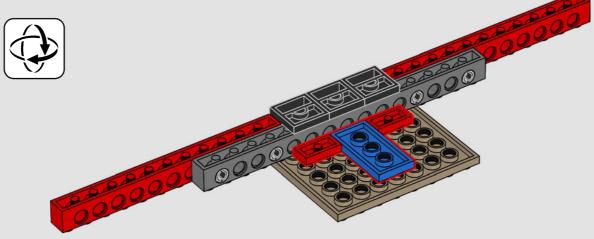


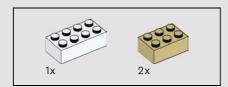


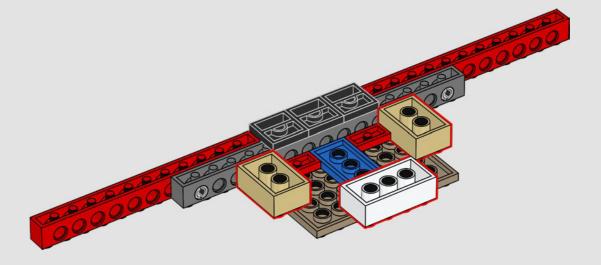


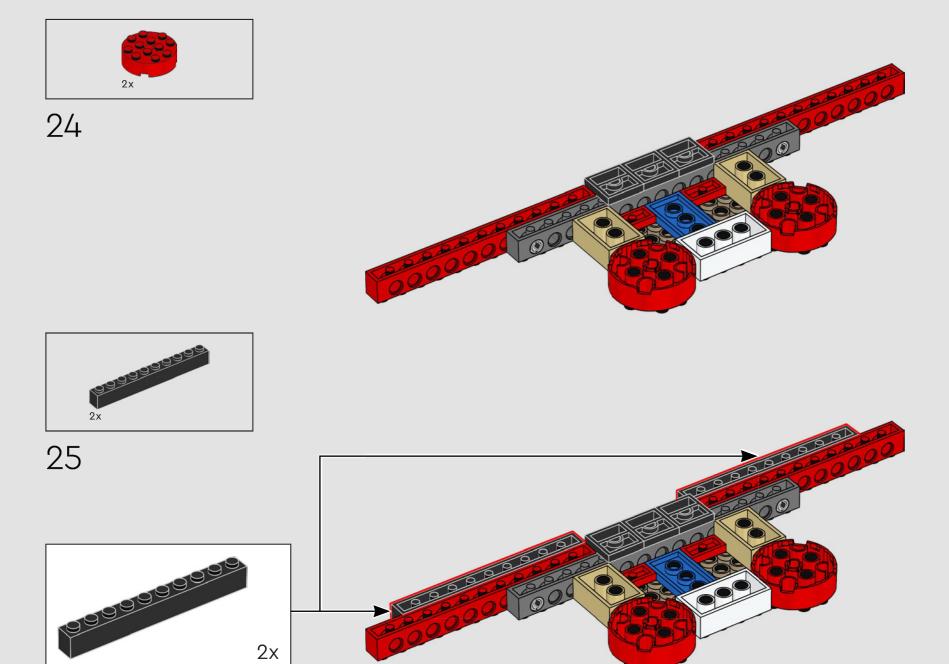


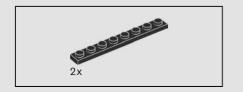


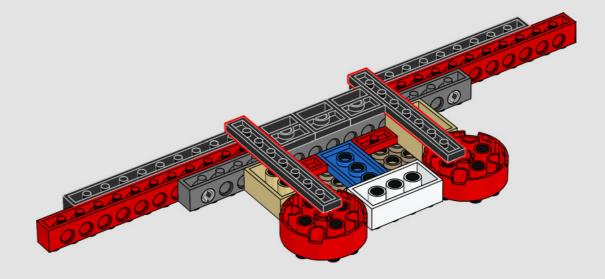




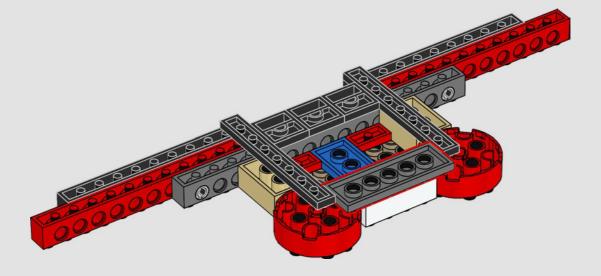


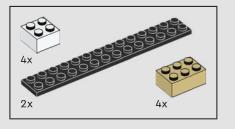


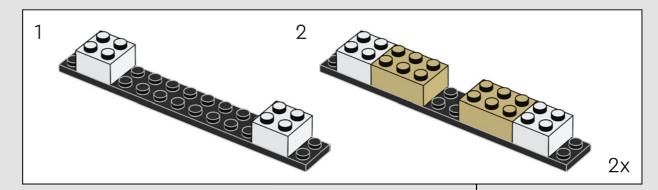


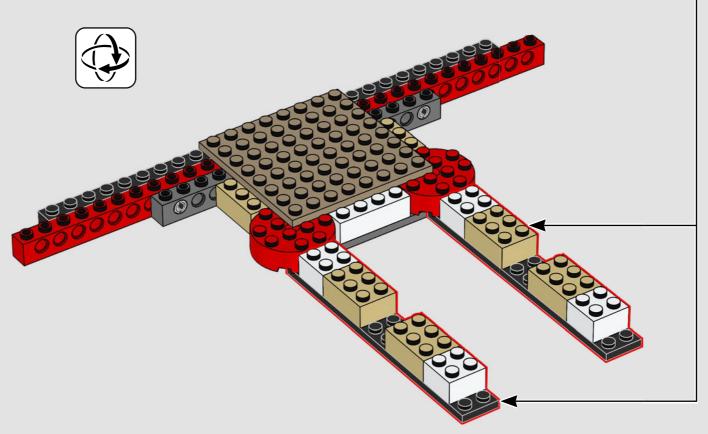


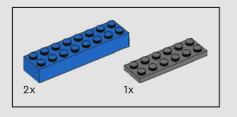


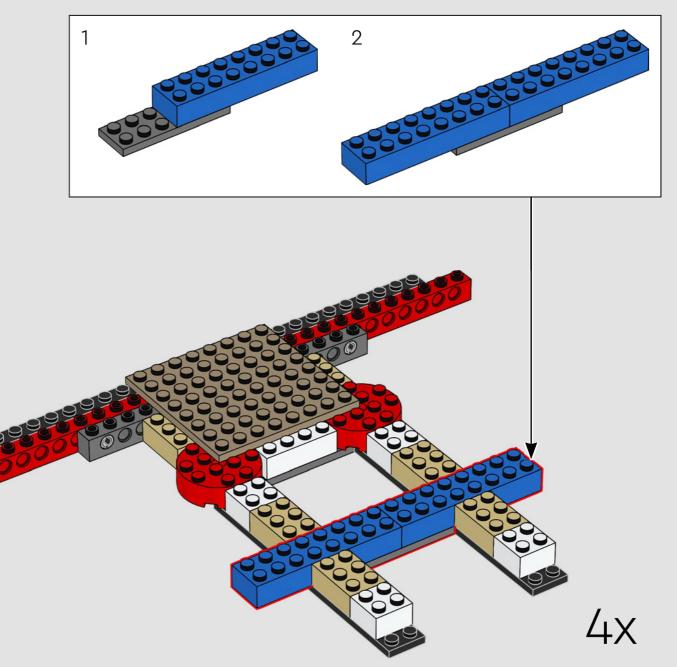


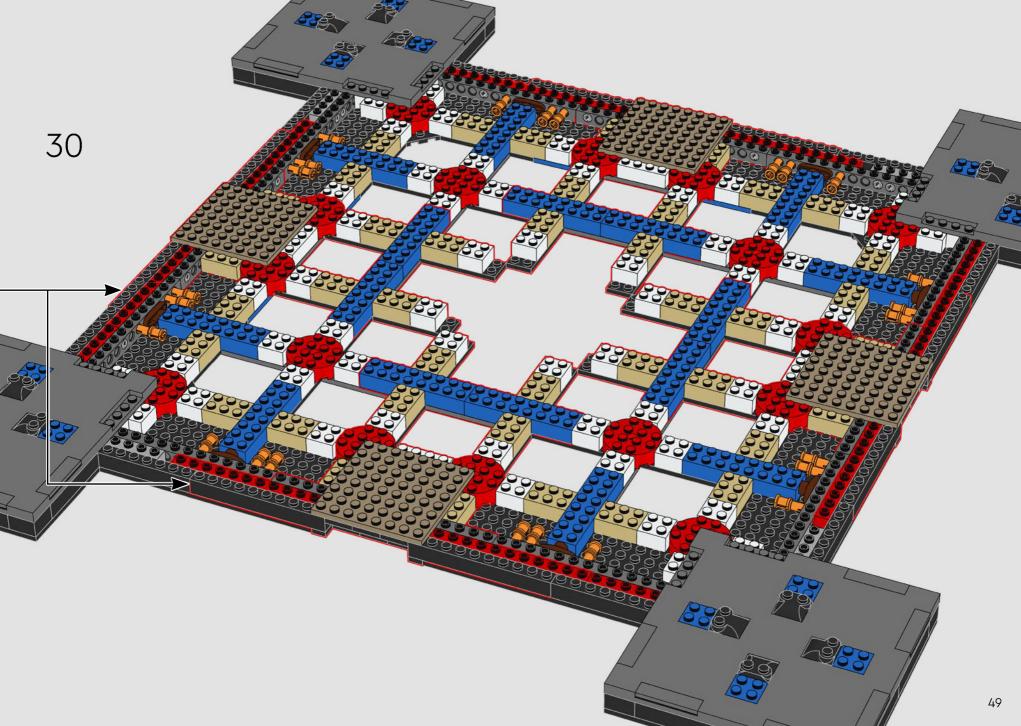


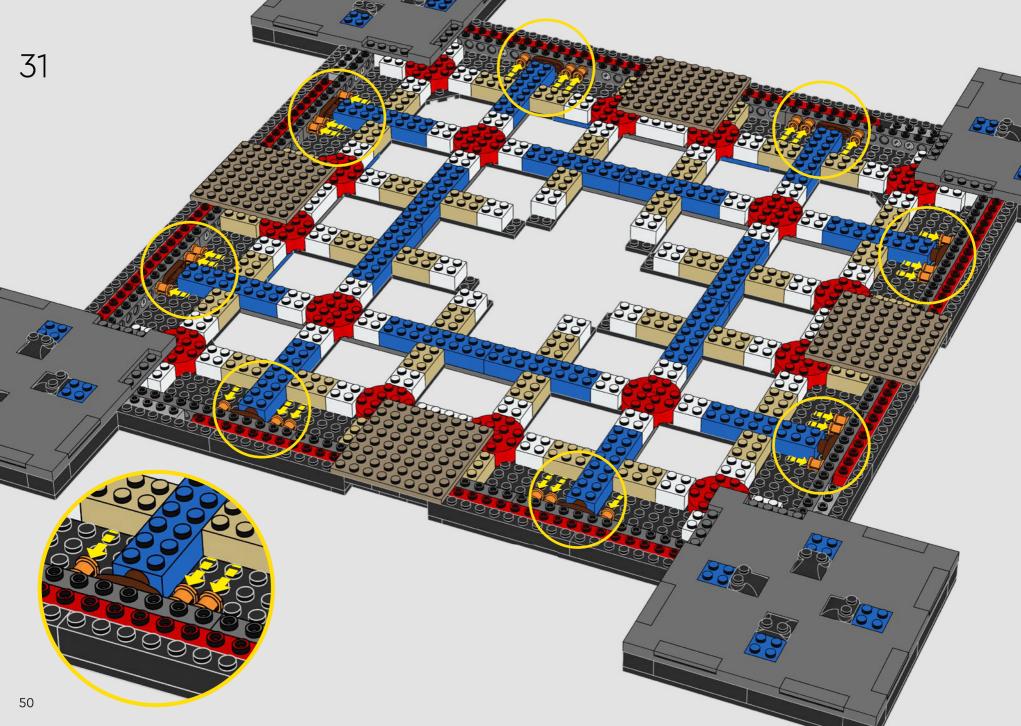


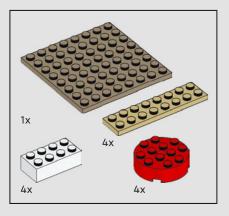


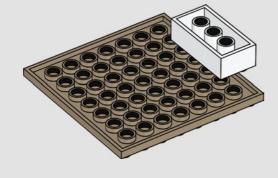


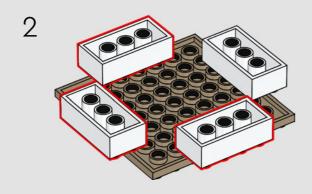


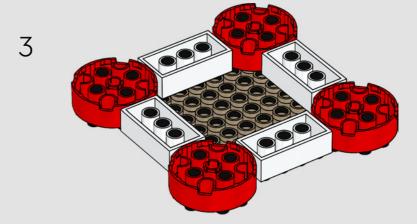


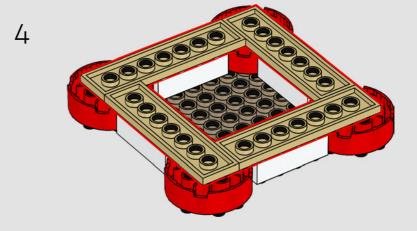


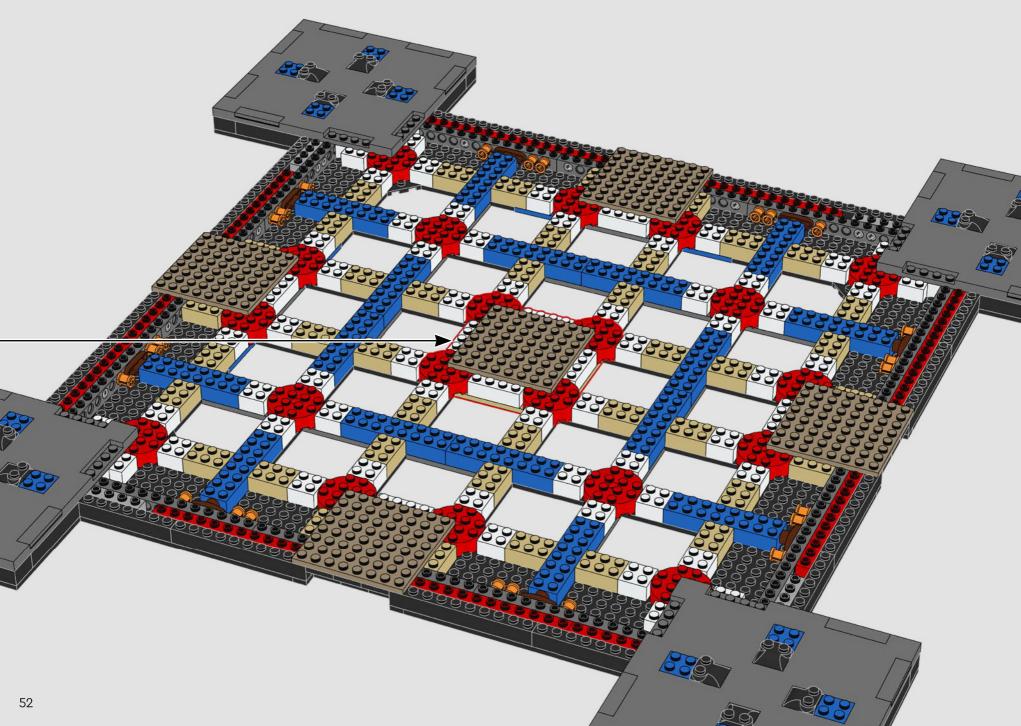


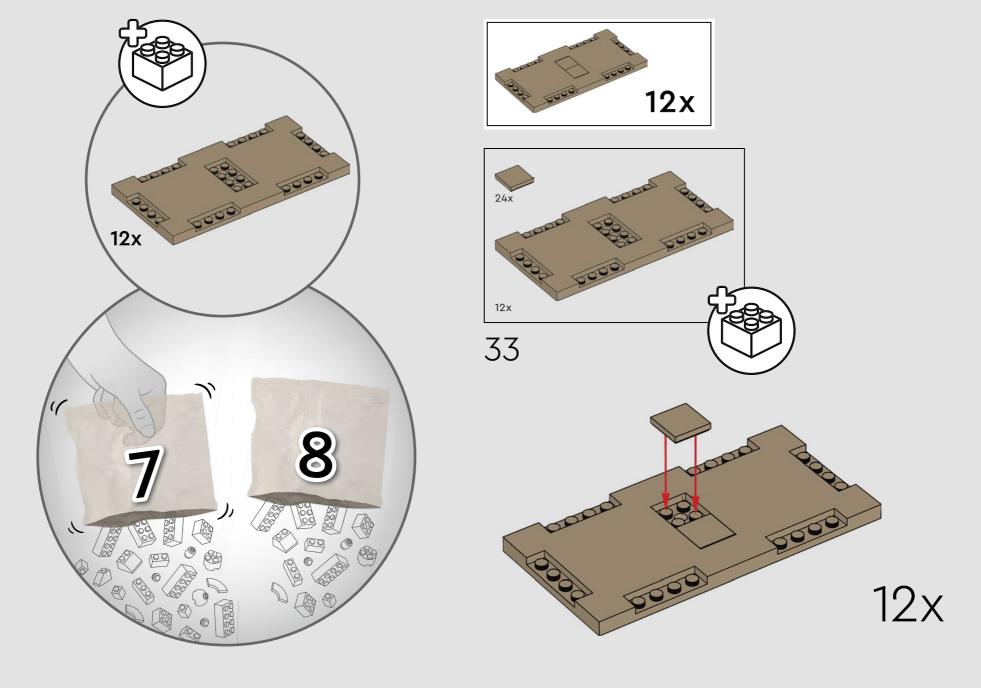


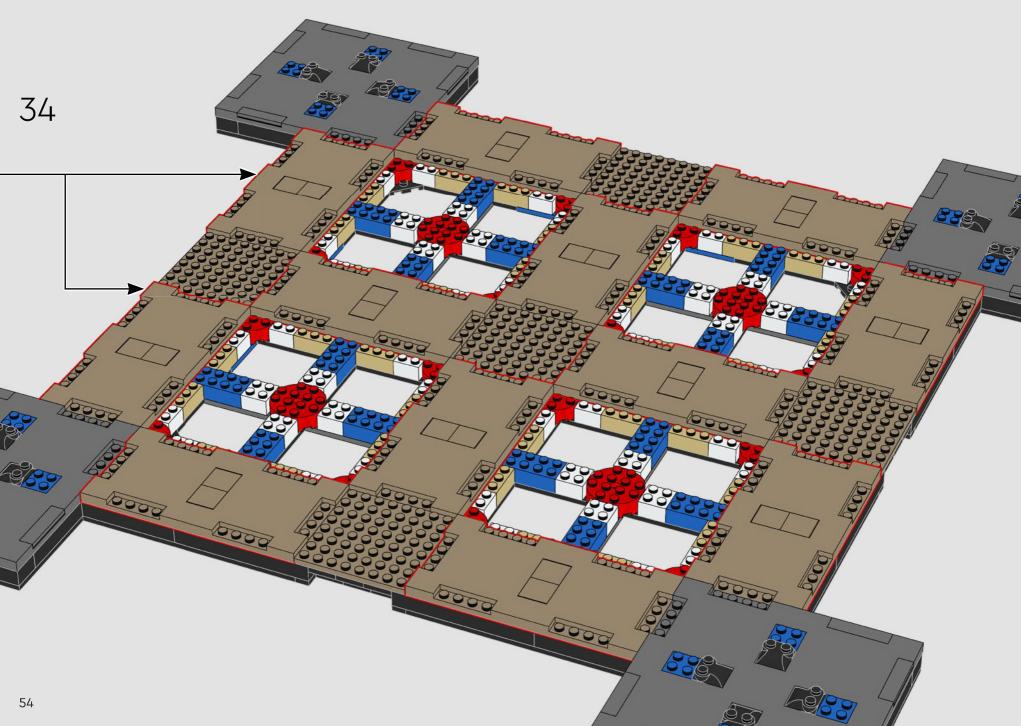


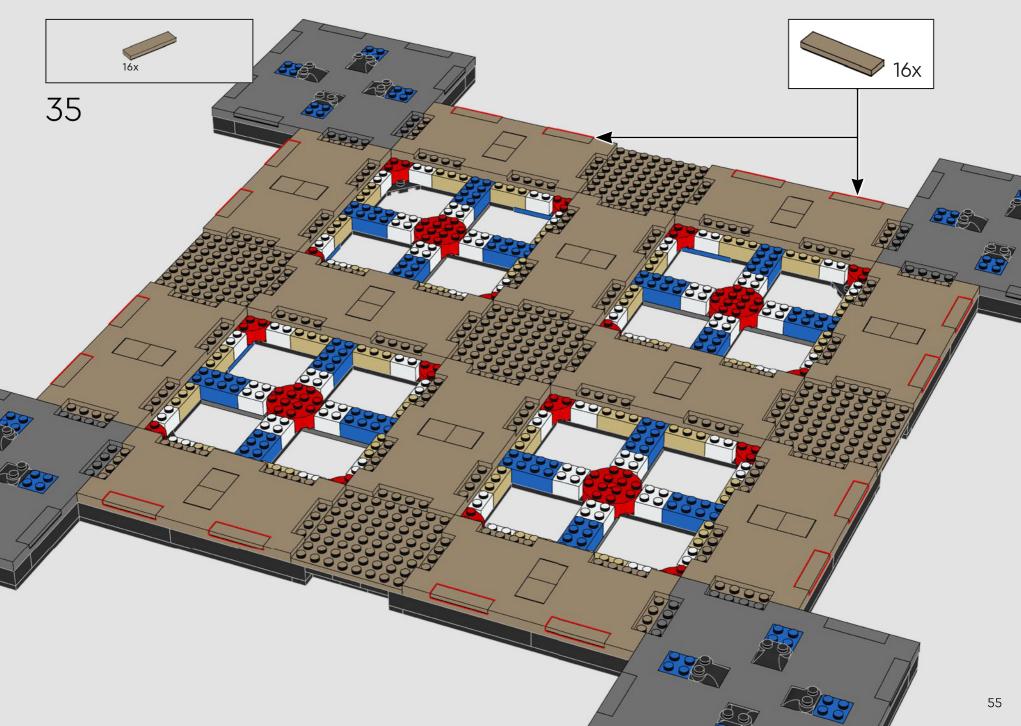


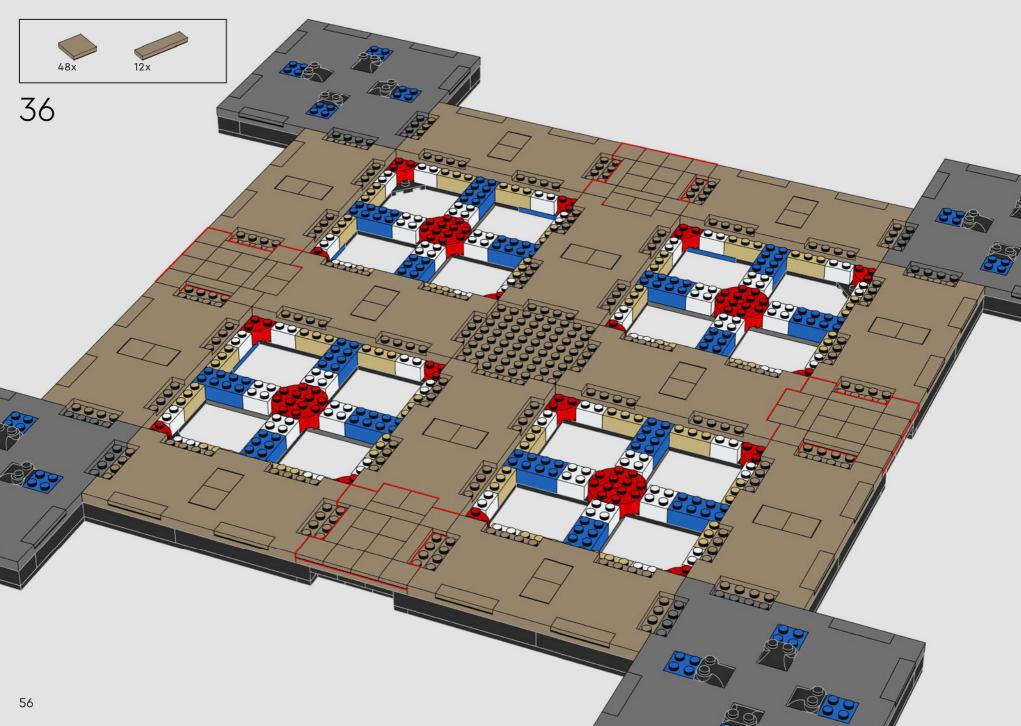


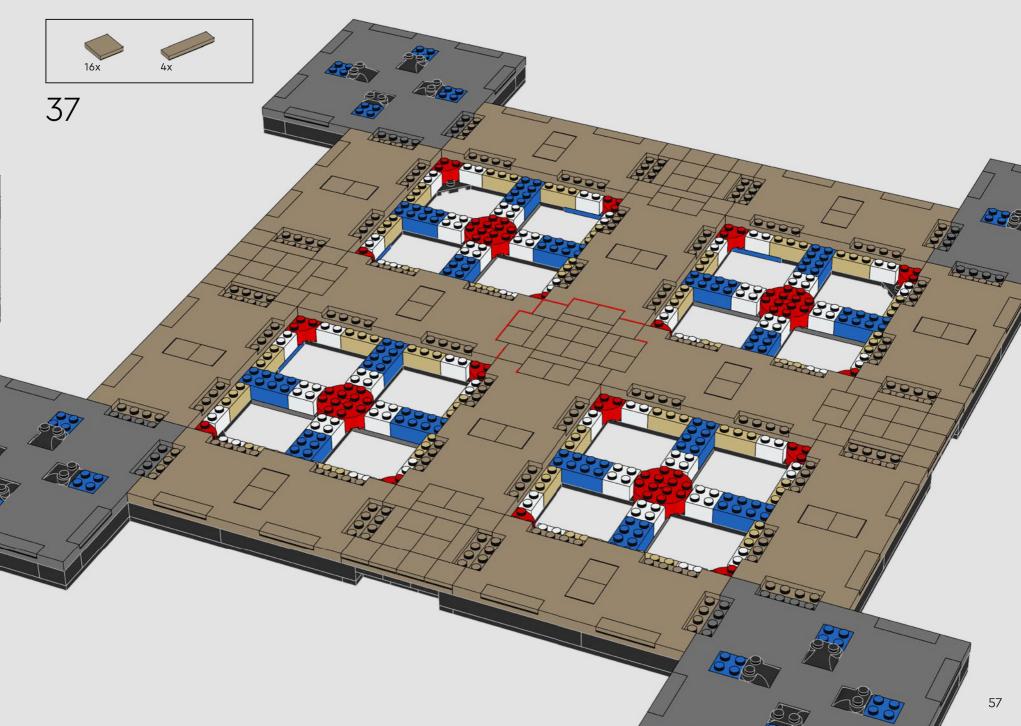


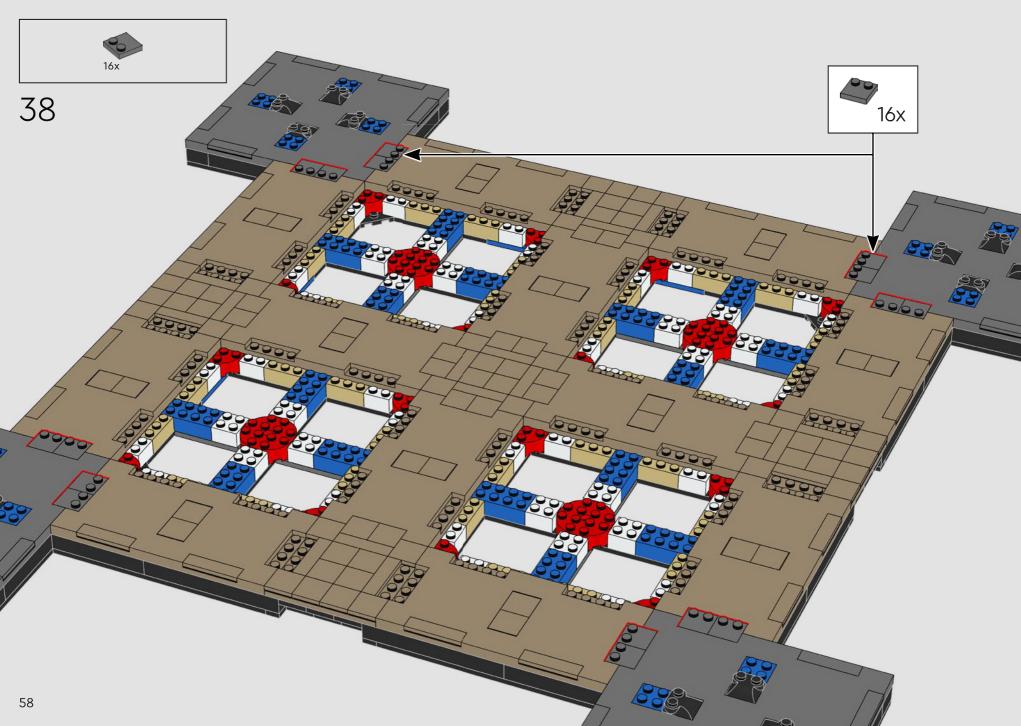


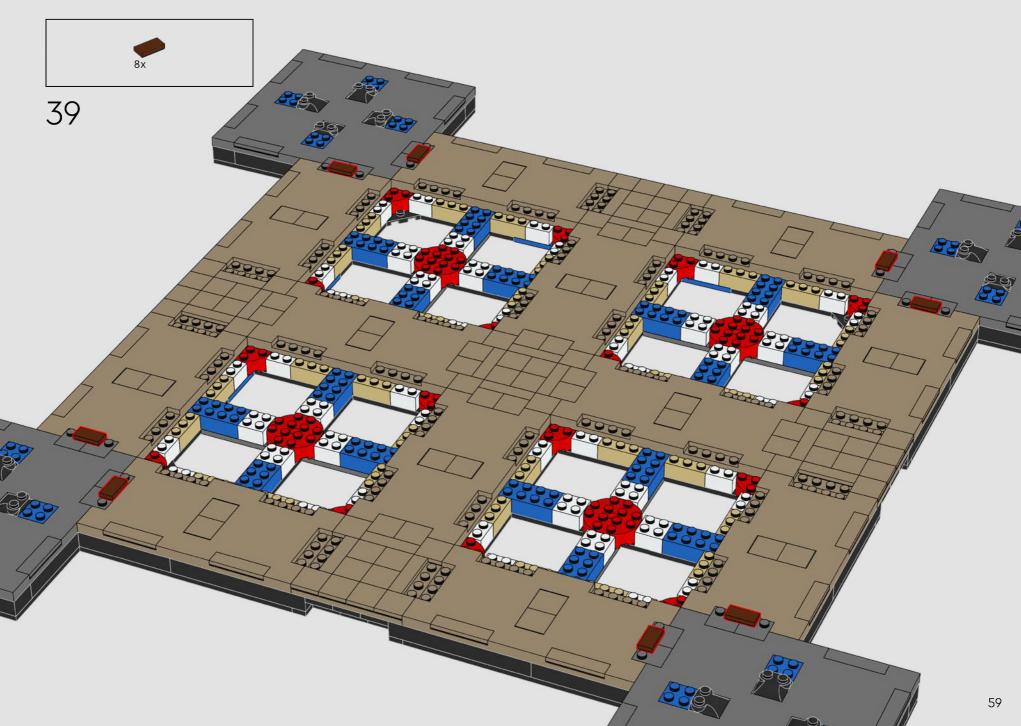


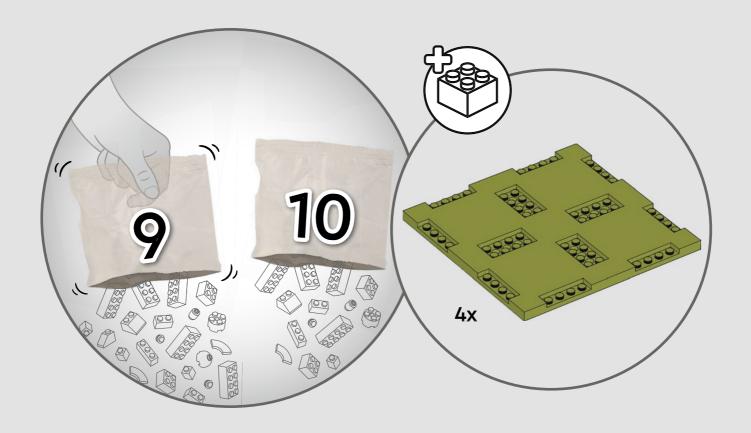


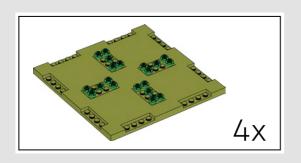


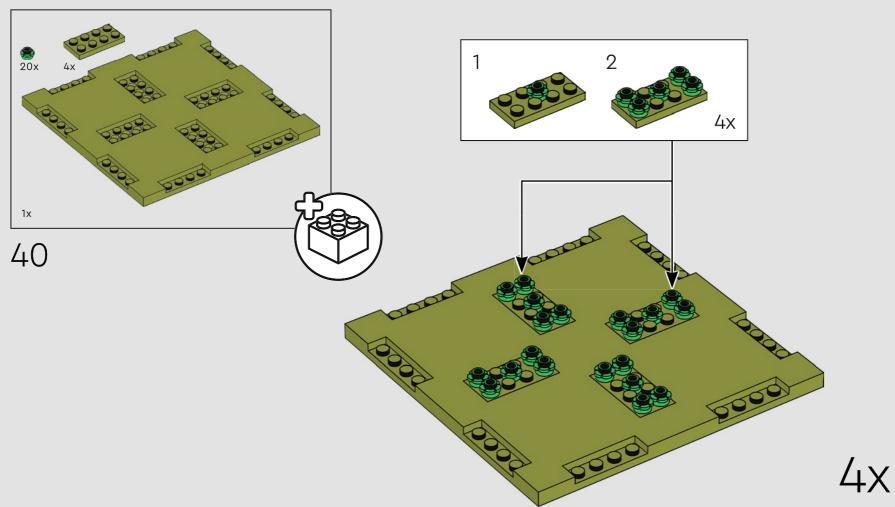


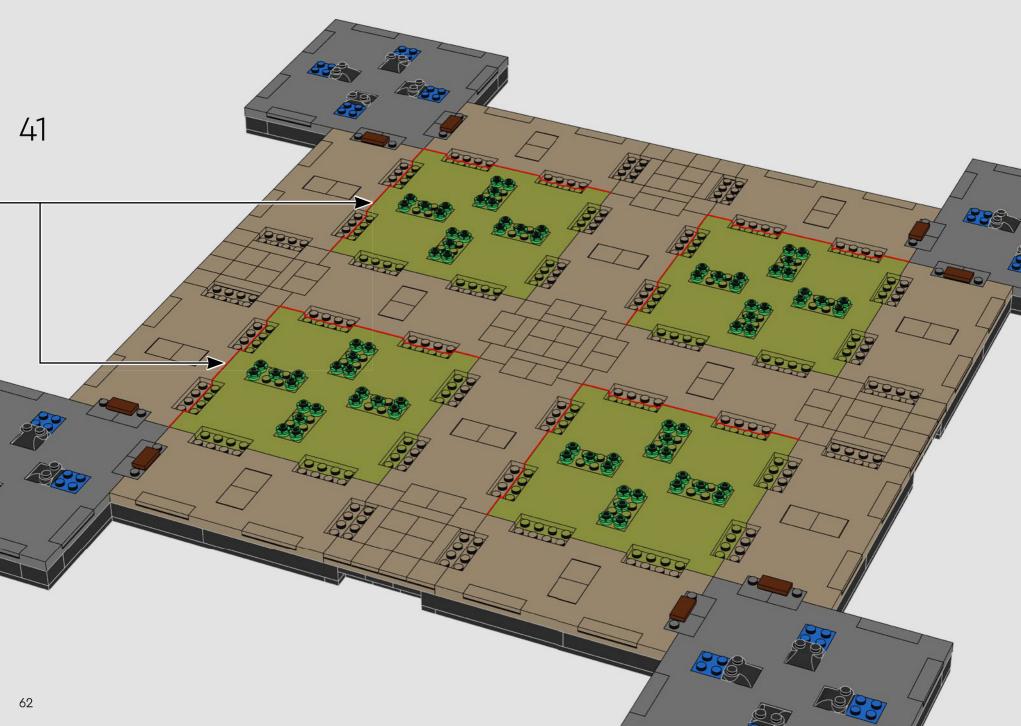




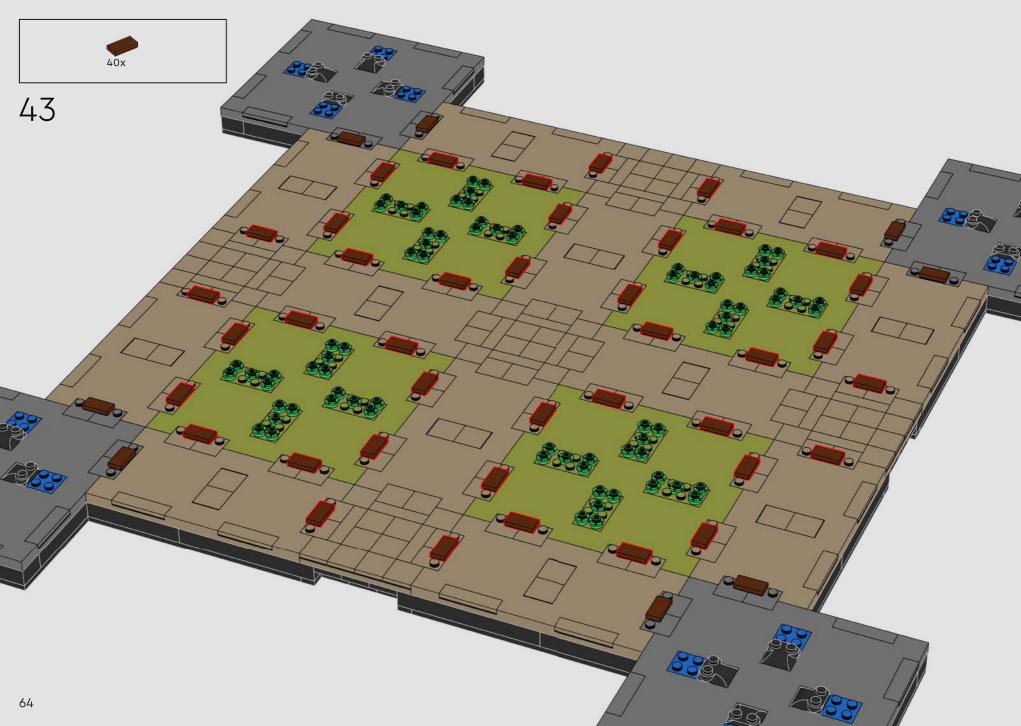




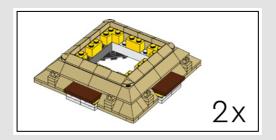


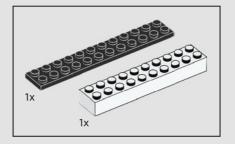


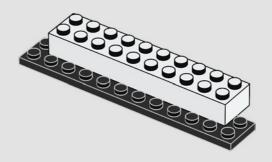


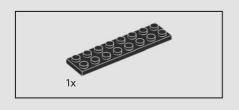


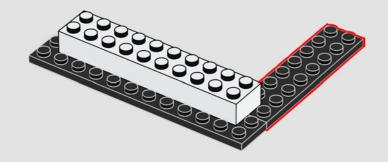


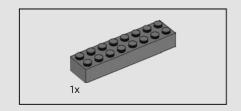


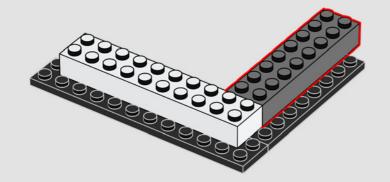


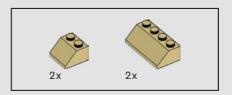


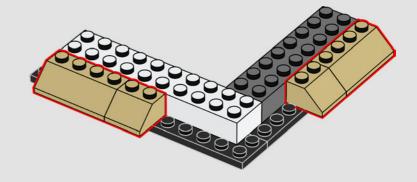


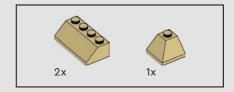


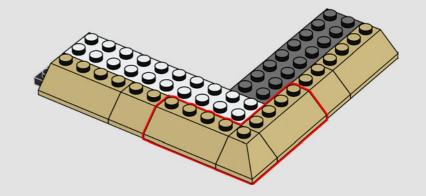


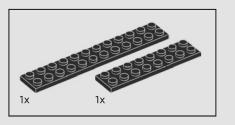


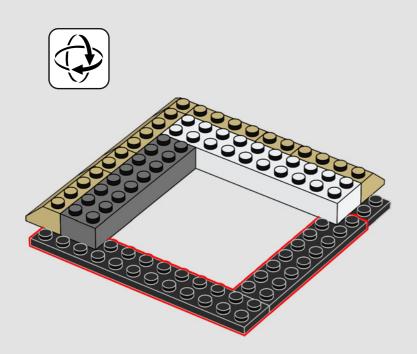


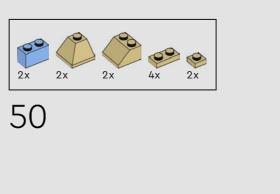


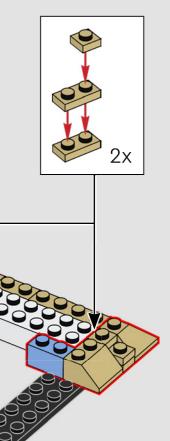


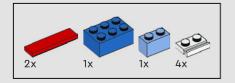


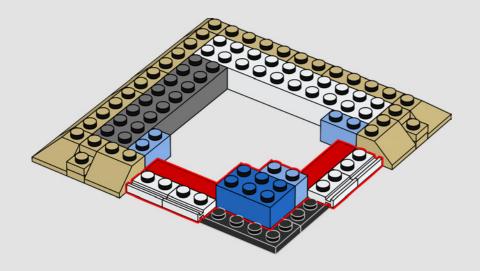


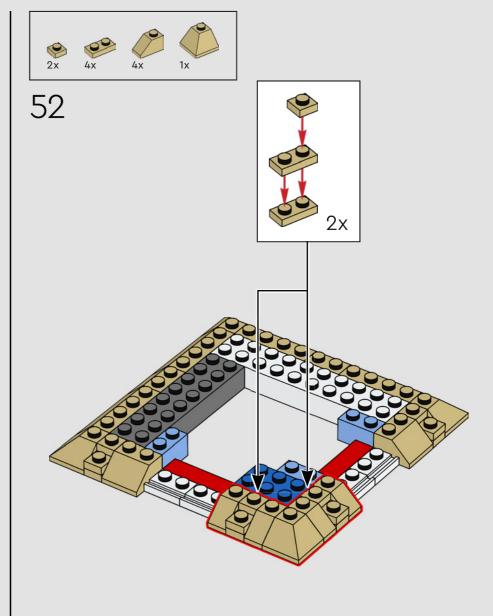


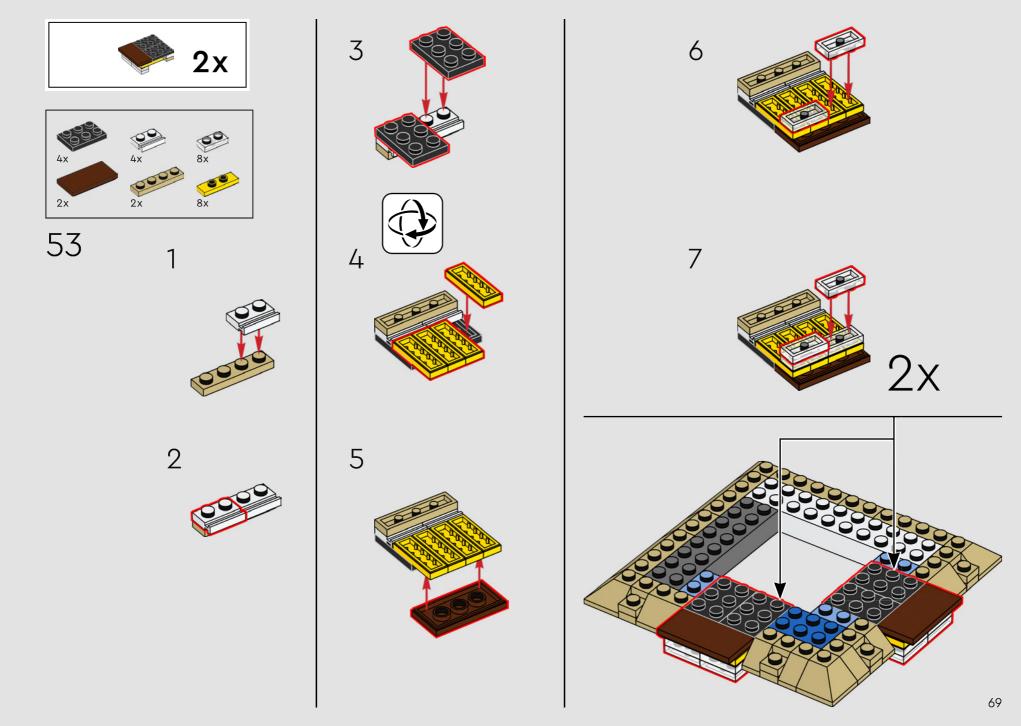






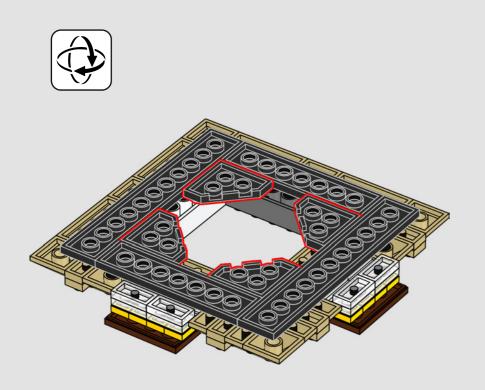


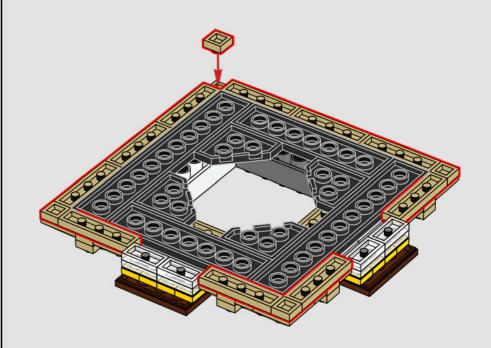


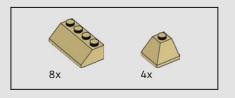


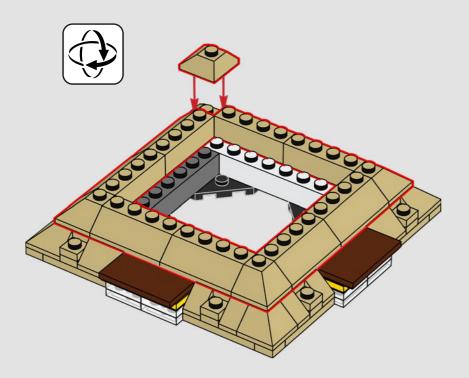


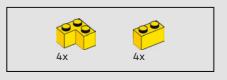


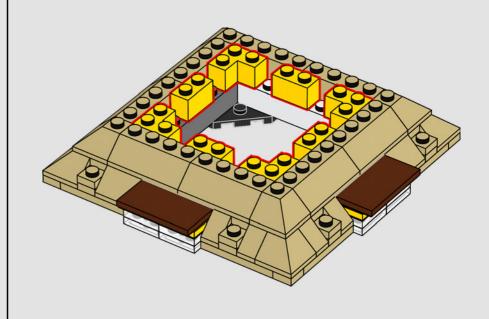






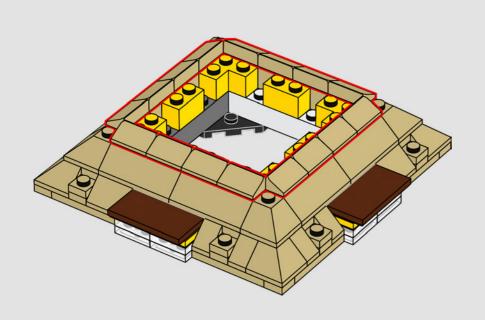


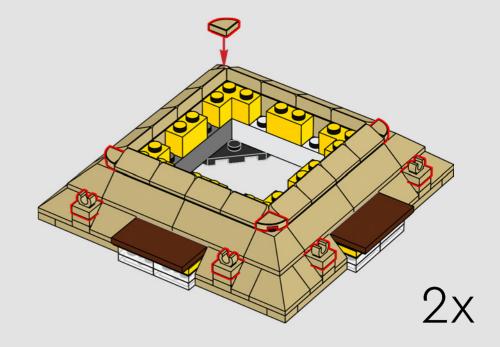


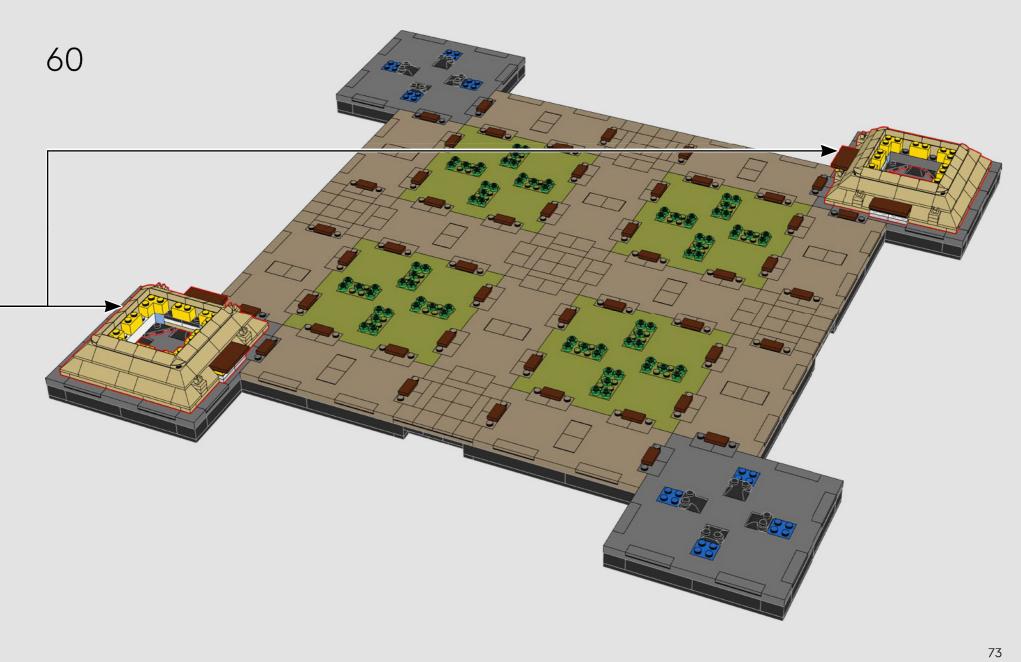




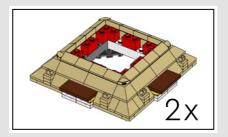


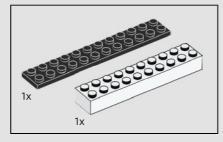


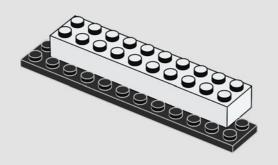


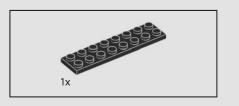


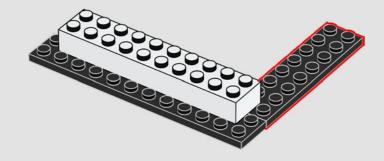


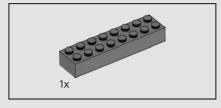


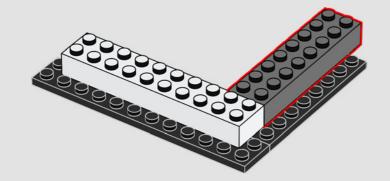


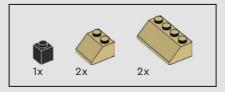


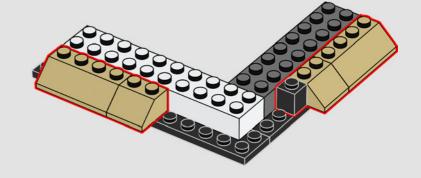


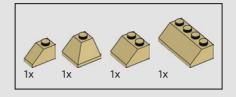


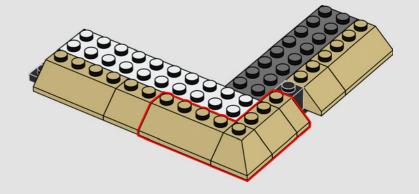


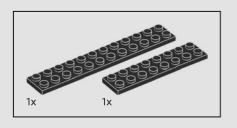


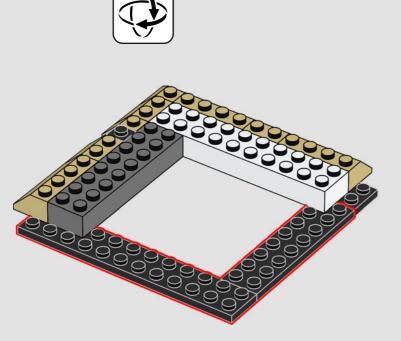


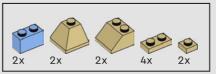


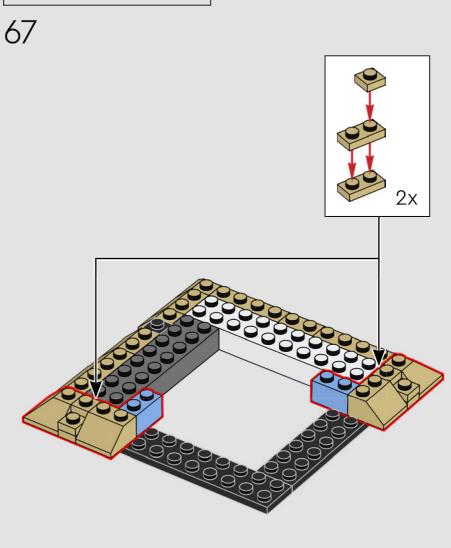


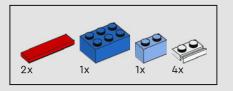


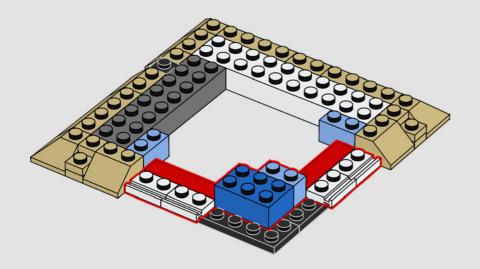


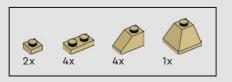


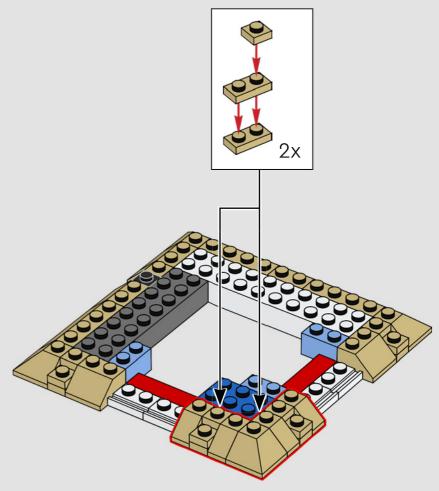


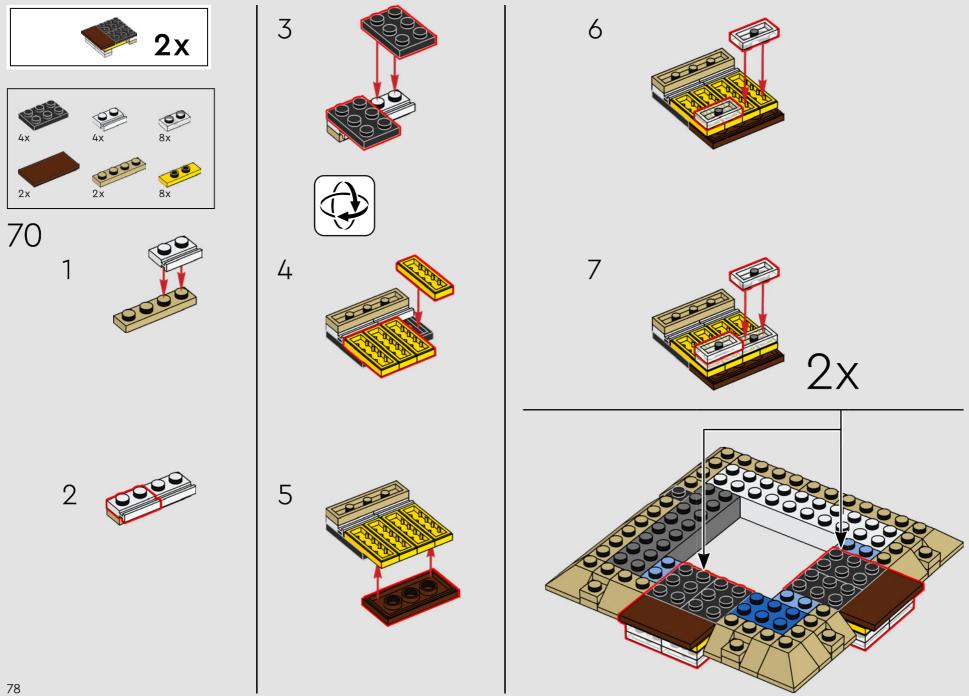




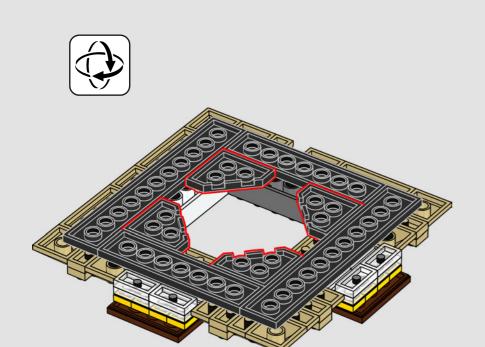




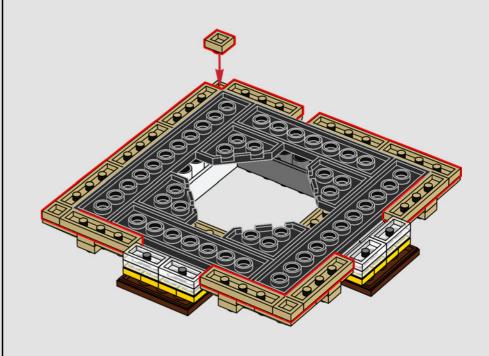


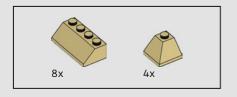


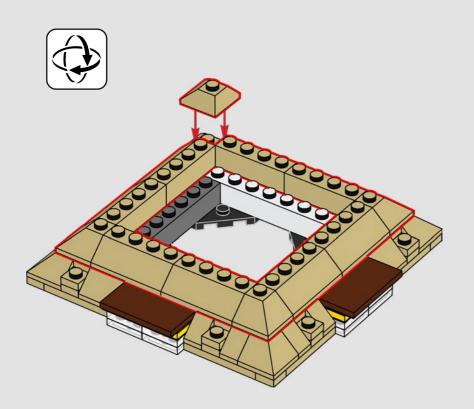


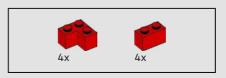


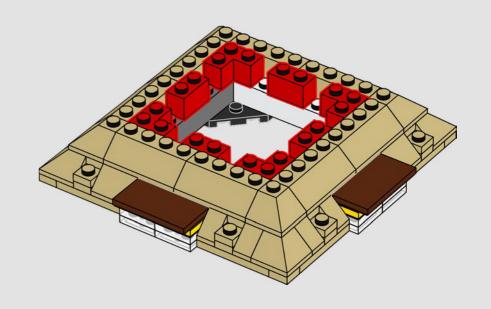






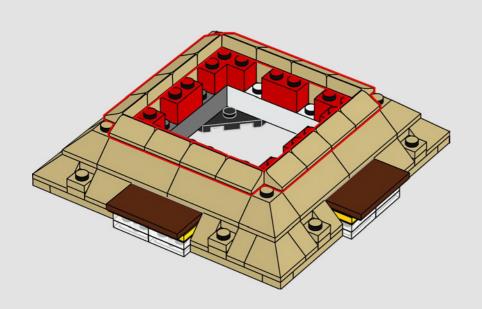


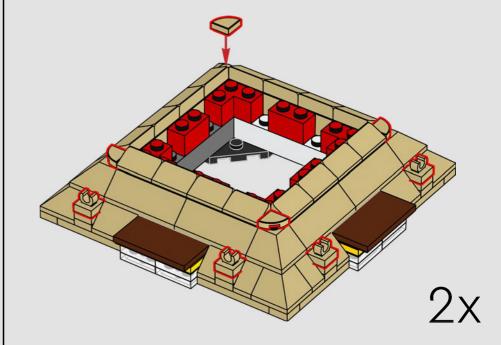




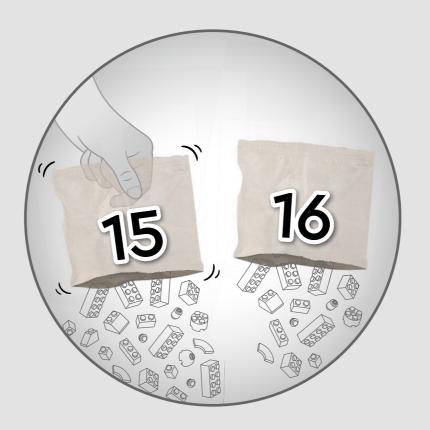


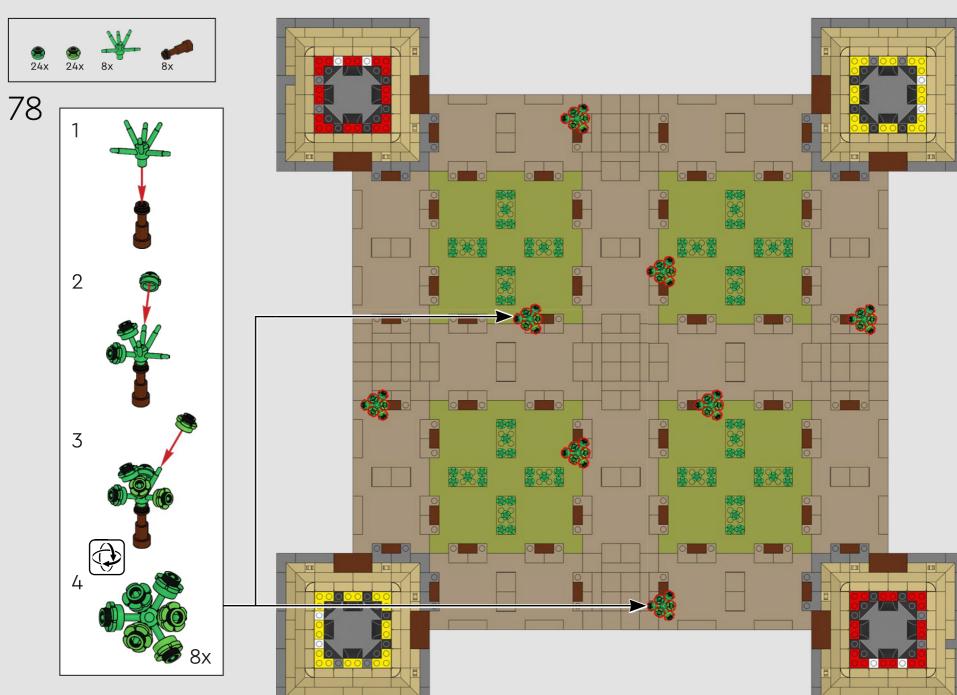


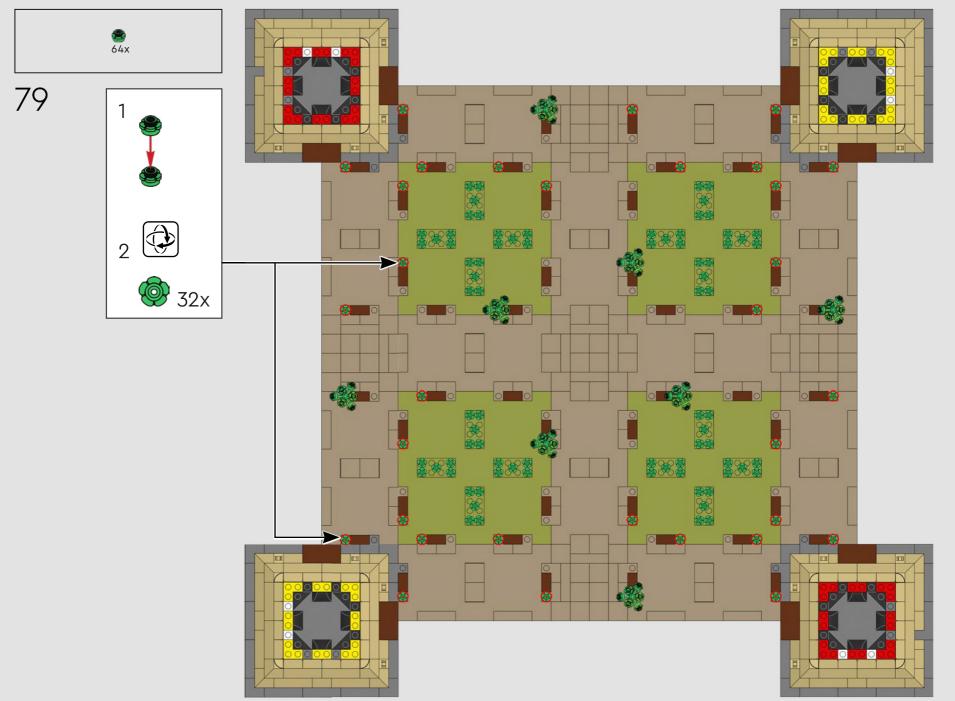


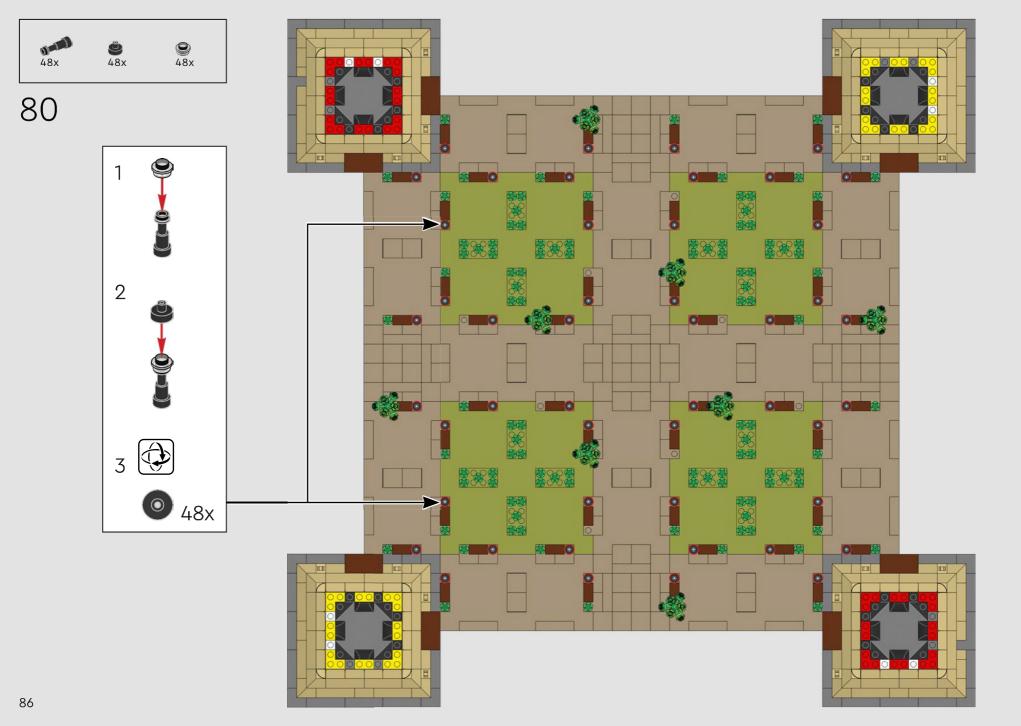


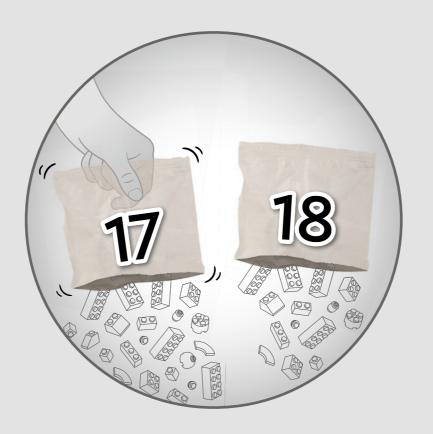


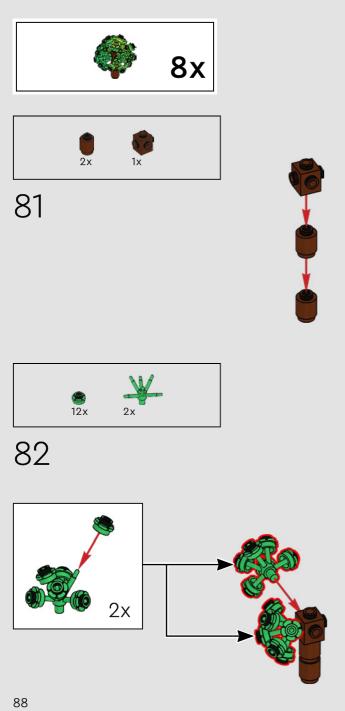


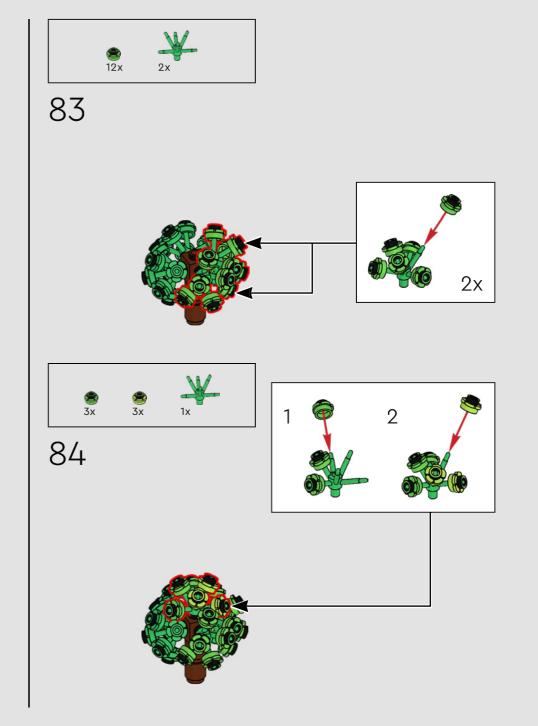
















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