

Booklet 1 of 6 The Fixed Service Structure, Base to Level 195

By Videomajk Version 2

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Introduction

This is a 1:110 scale Lego model of Nasa's Launch complex 39 from the Space Shuttle era, based on the look it had sometime around 1980. At this time, most of the fixed service structure was still painted red, the colour it had when it was still an Apollo Launch umbilical tower. There are well known details, like the orbital weather protection system, that still had not been added to the complex yet.

This model is designed with **Andrew Harkins'** Space Shuttle and **Grant Passmore's** Mobile Launch Platform (MLP) and Crawler Transporter in mind. These three models will fit perfectly together with this model.

The model consists of the Fixed Service Structure, the Rotating Service Structure, The WSC Tower and 9099 building, the Northern pipe bridge and the East access towers. Everything is placed on a base representing the top of the launch pad and flame trench.

The FSS is inspired by **Nathan Readioff's** LUT and the Hammerhead crane on top is his design, which he kindly let me use in this model.

The FSS and RSS was designed based on good drawings/blueprints and are quite accurate. For all the ancillary buildings I have been examining pictures and tried to match the look.

I hope you enjoy this model.

Mikael Lindberg

Model information

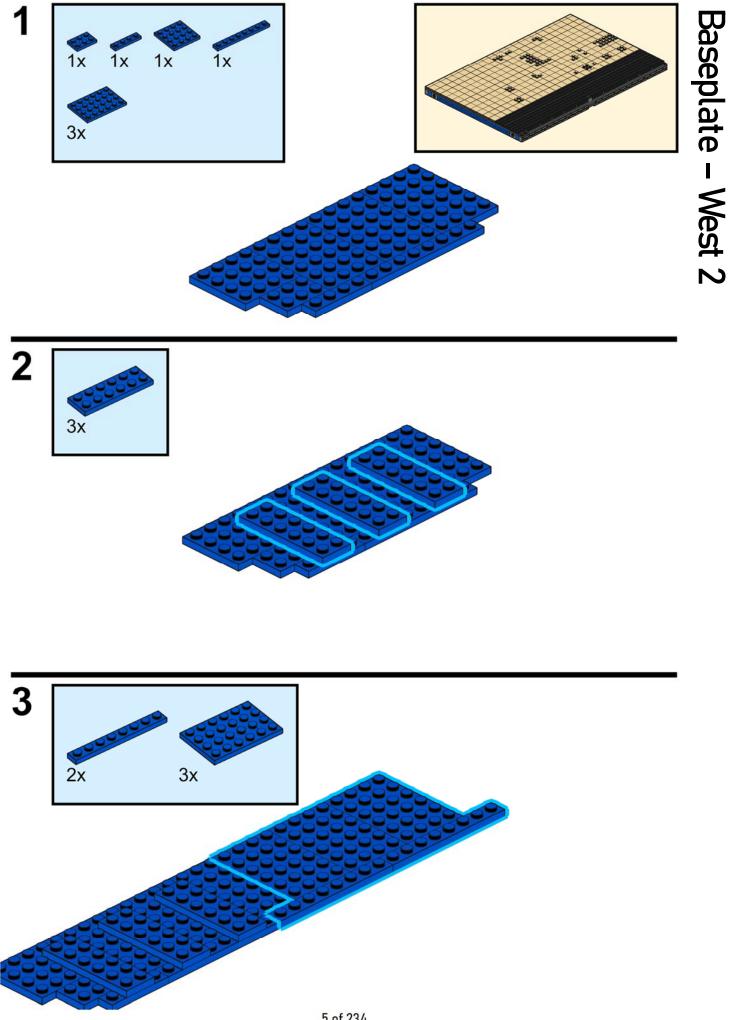
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Total lots:	576		
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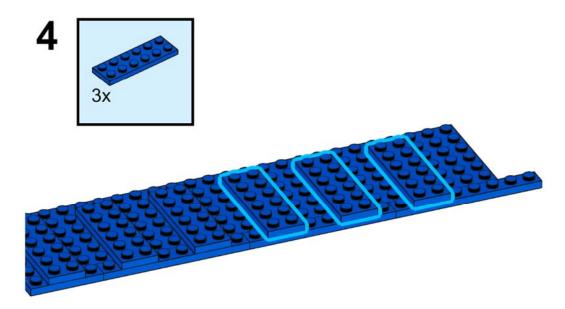
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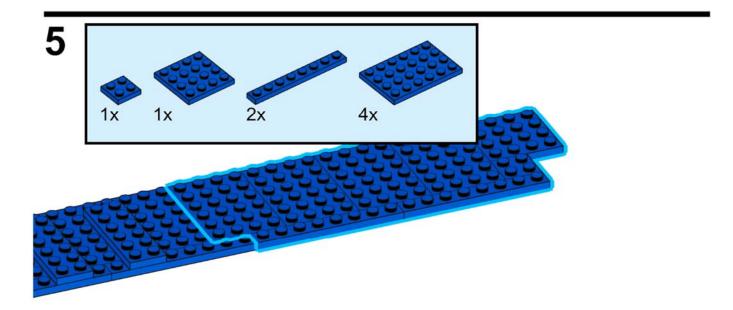
These instructions are Donationware. The instructions are provided free of charge to individuals, for non-commercial use only. If you feel that the instructions adds value to you, donations can be made to the creator through PayPal, on the following link: <u>https://www.paypal.me/videomajk</u>

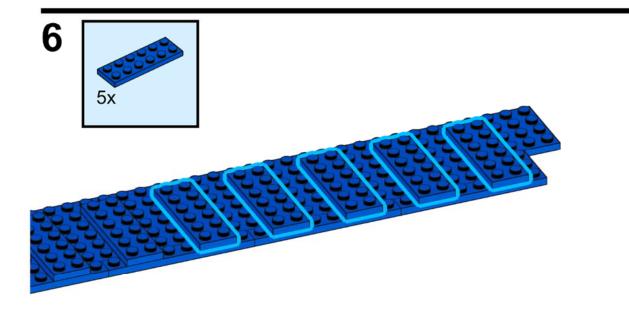
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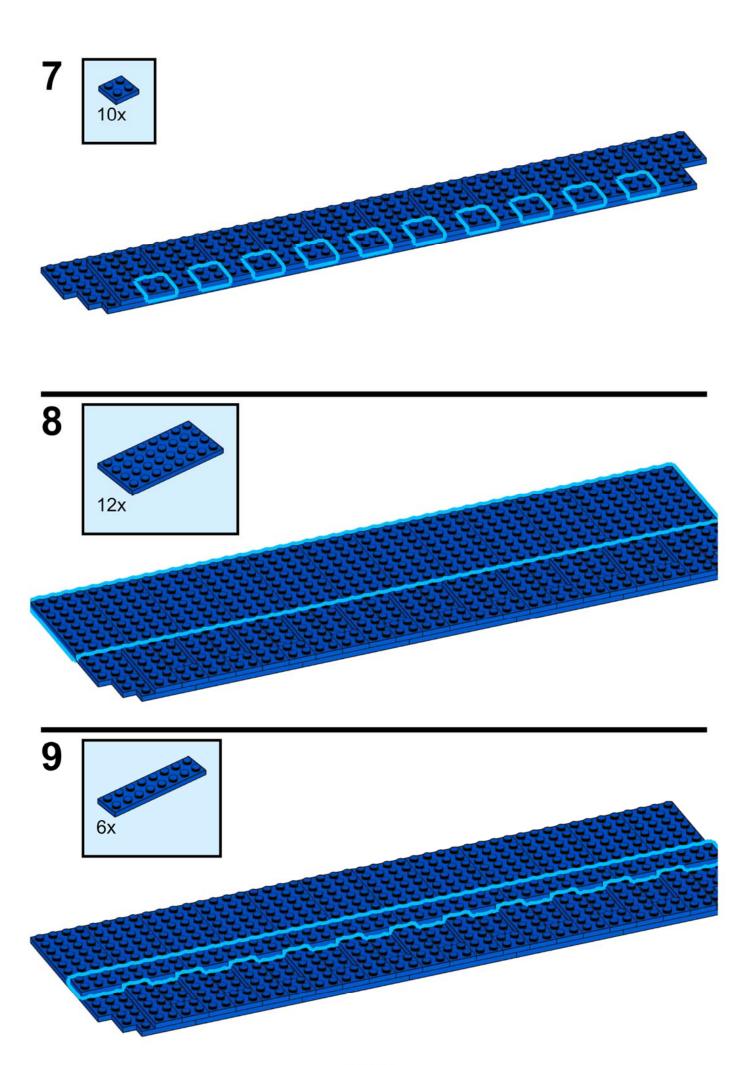
This is a very advanced build. It has never been built in real life by the time of release of these instructions. The creator of this model takes no responsibility for the buildability and stability of this model. If you choose to try and build this model based on these instructions, you do so at your own risk. Carefully study the instructions and the accompanying .io file before ordering parts and starting to build. Sourcing all the needed Lego parts for this model will be expensive.

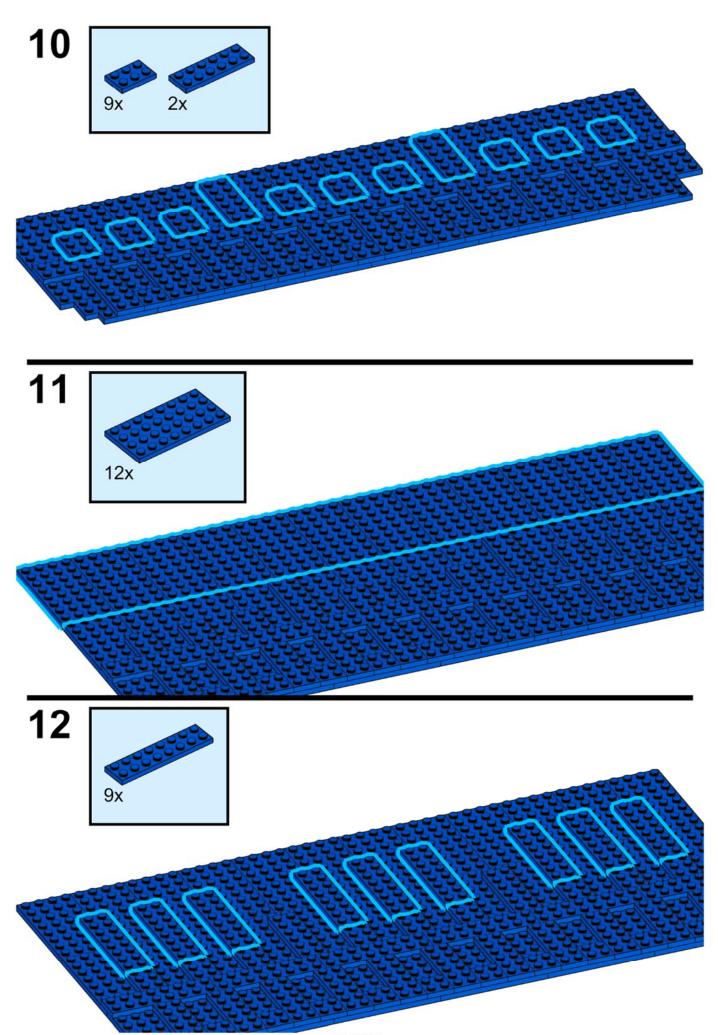


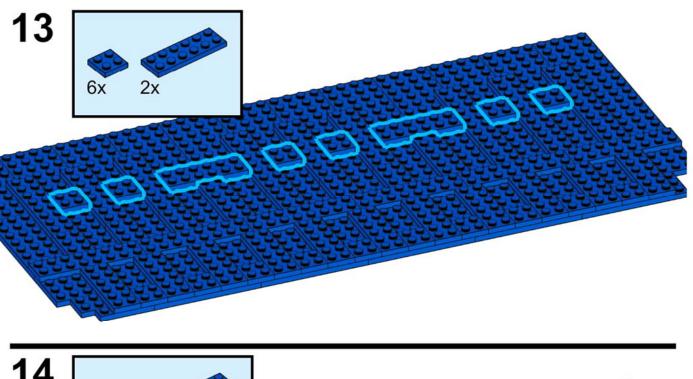


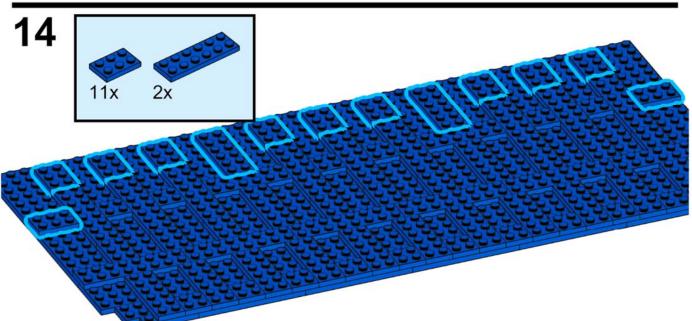


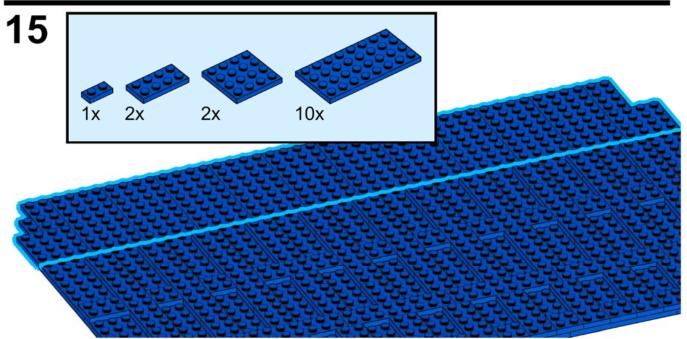


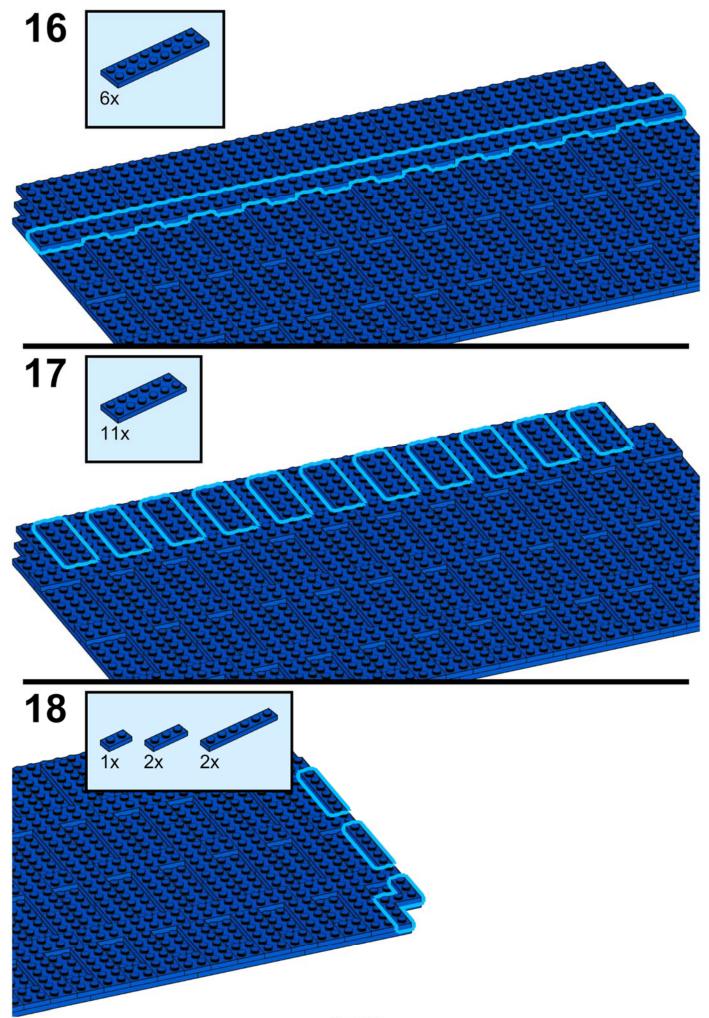


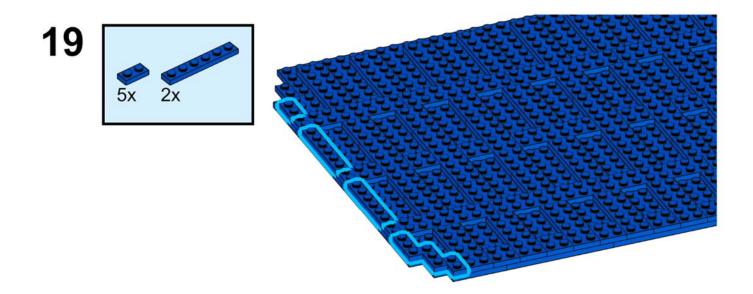


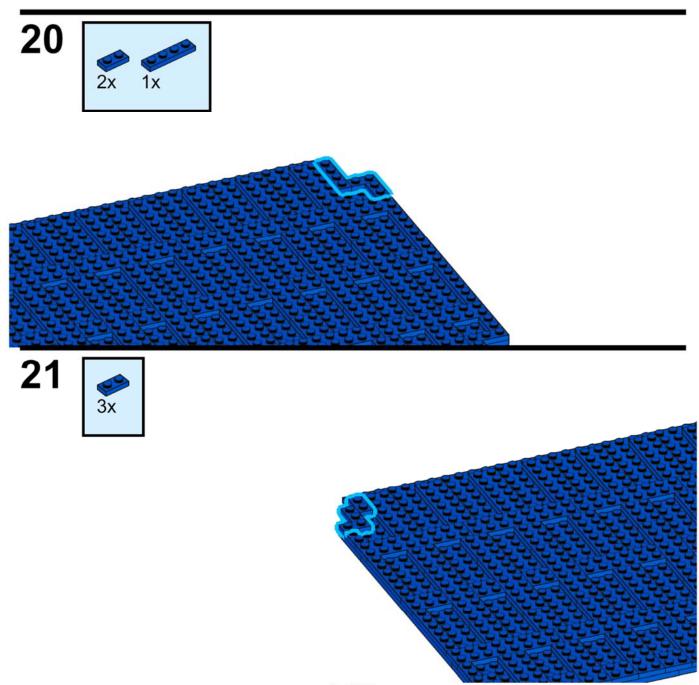


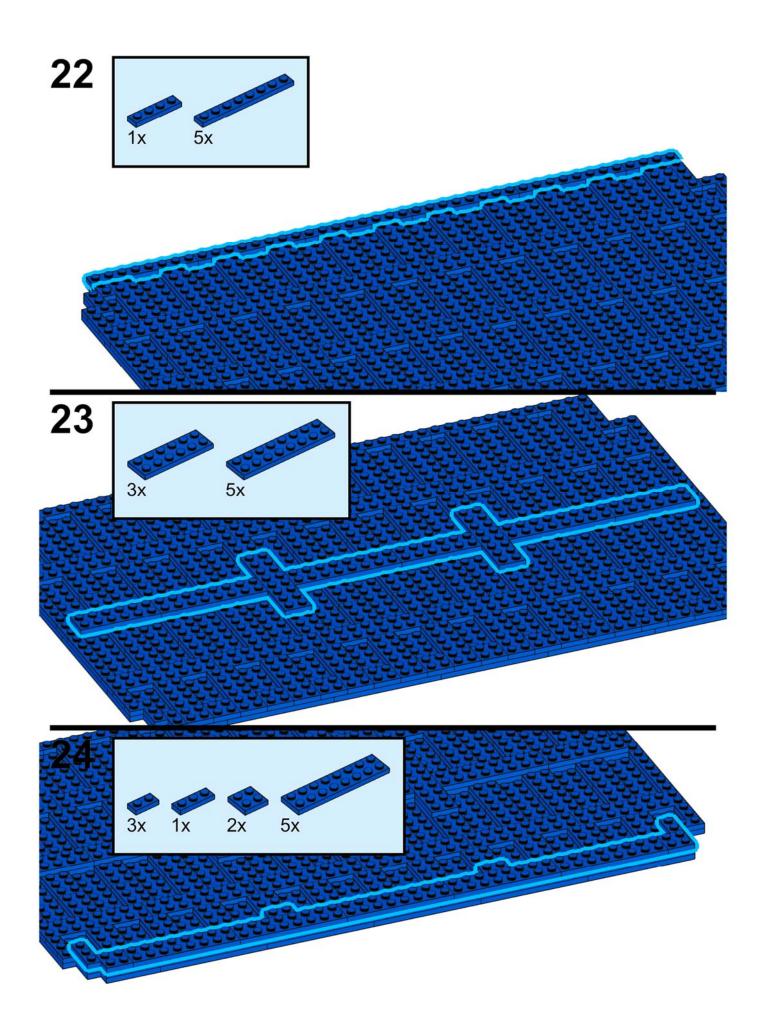


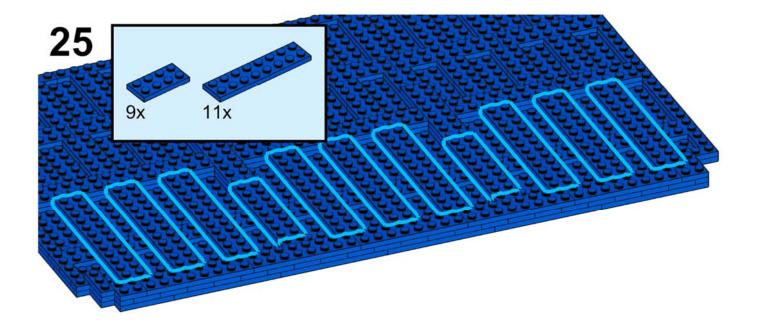


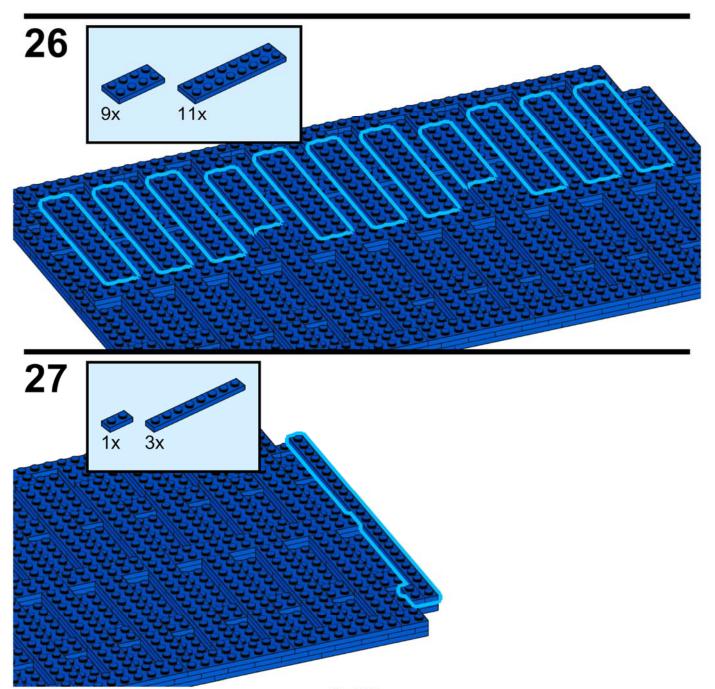


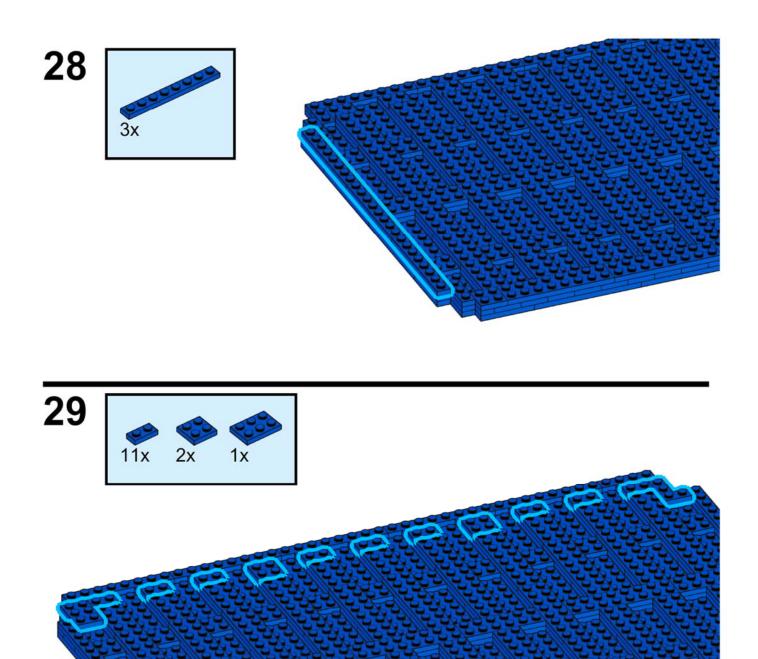


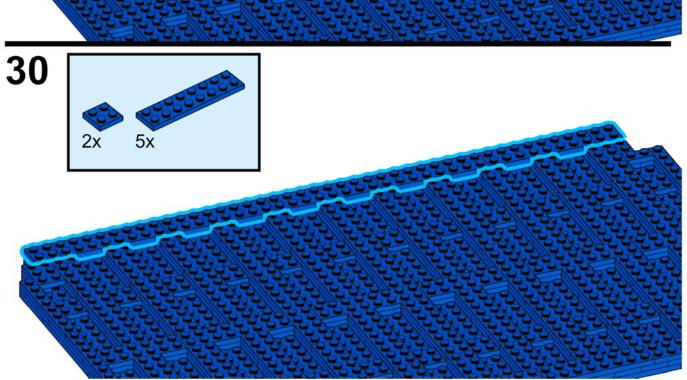


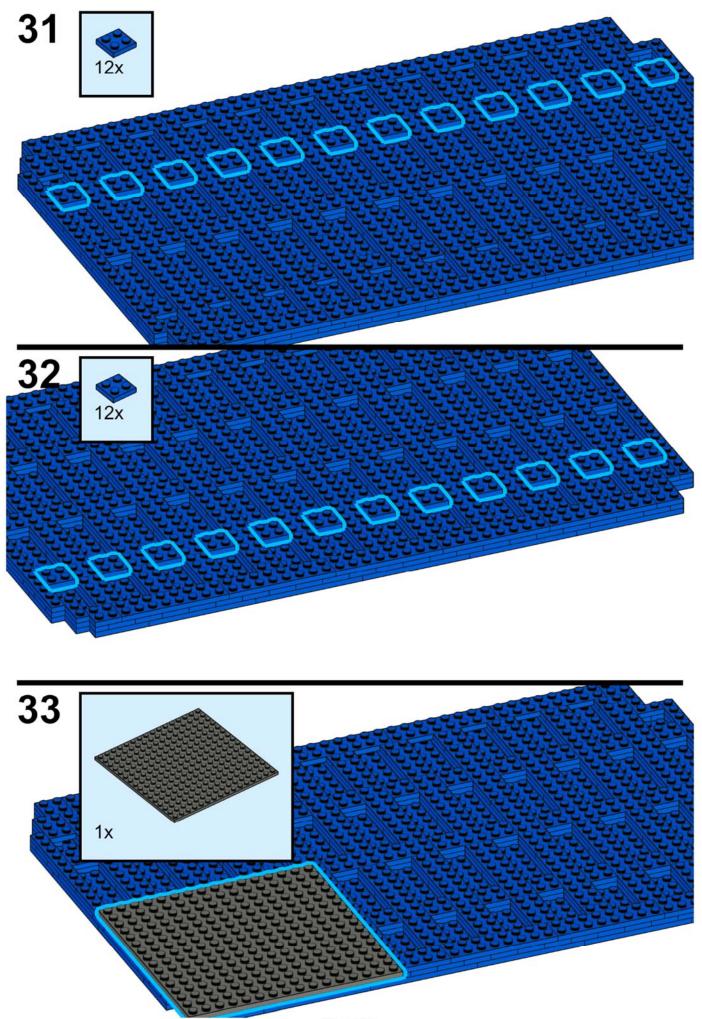




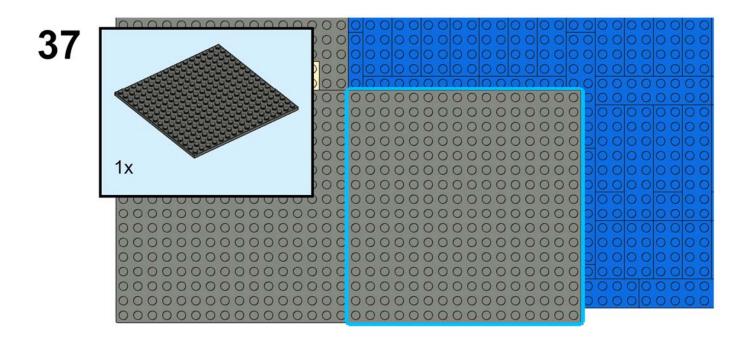




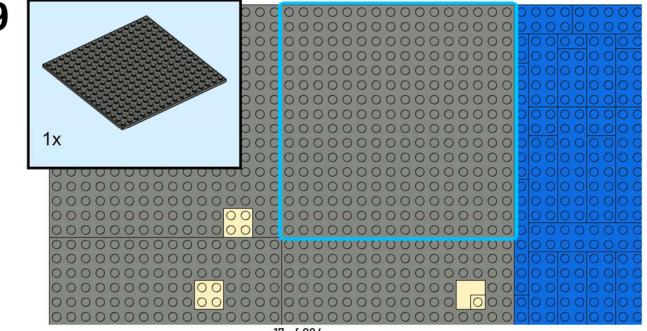


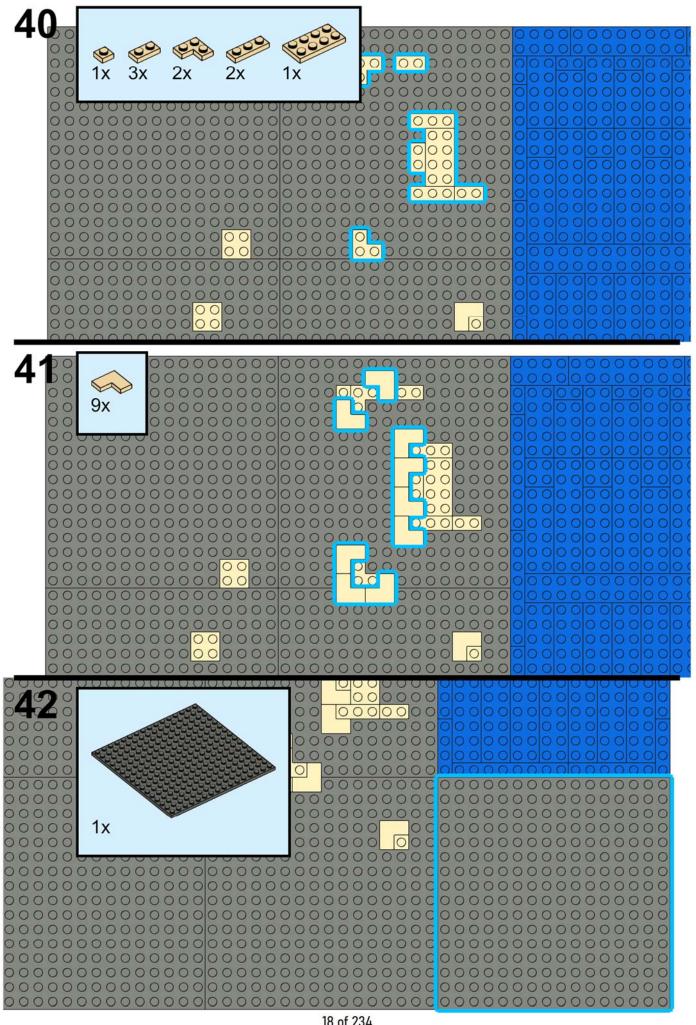


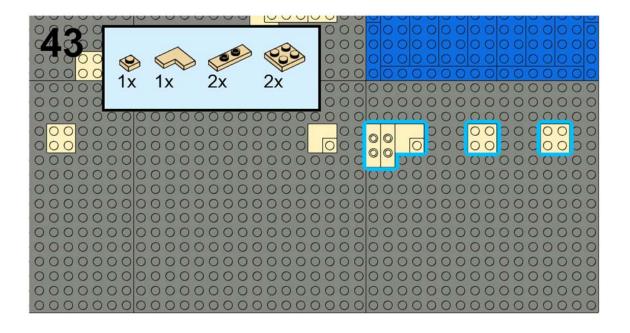
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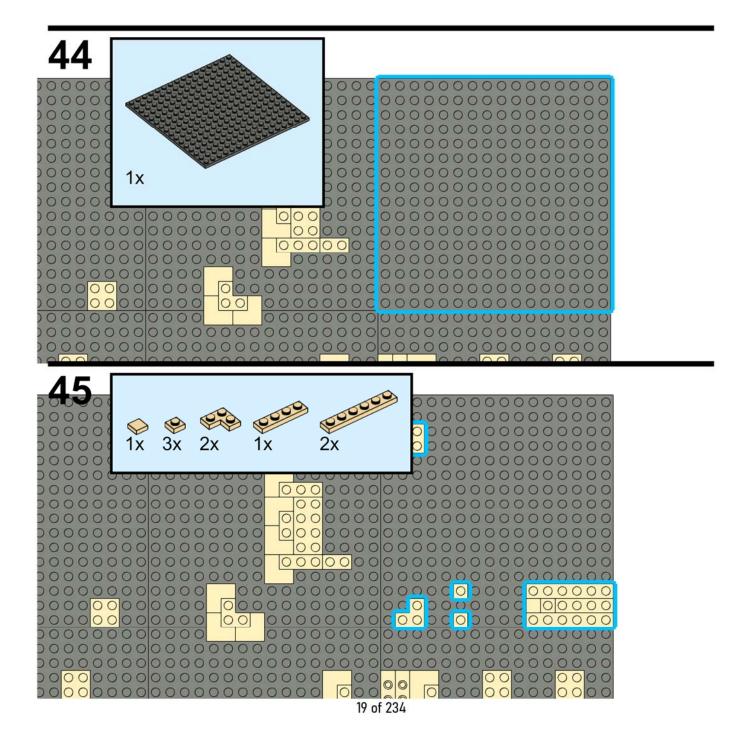


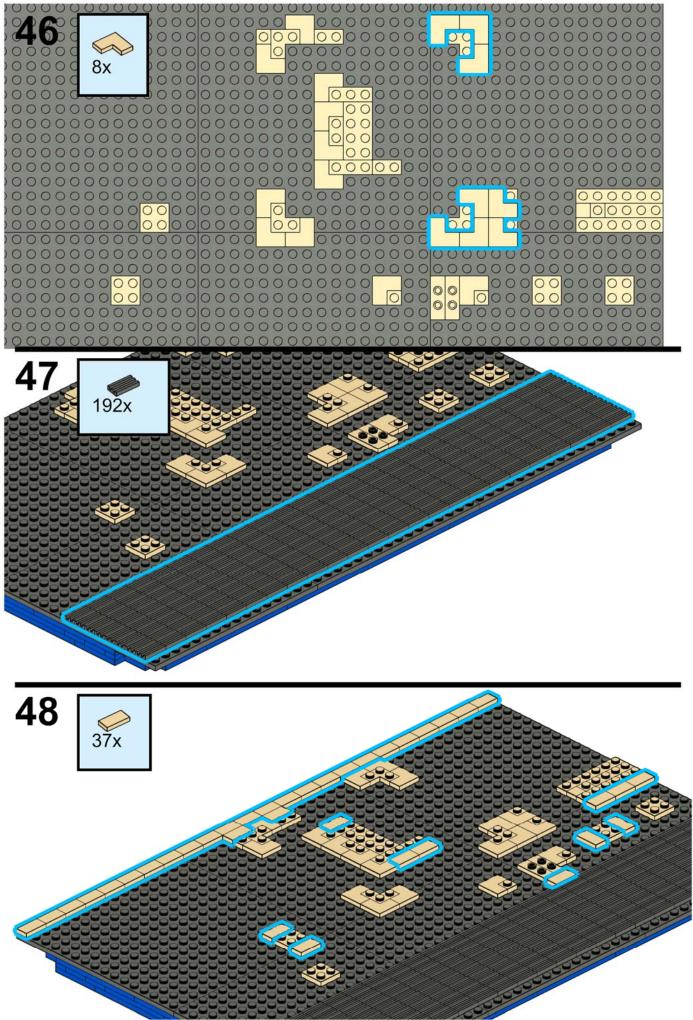
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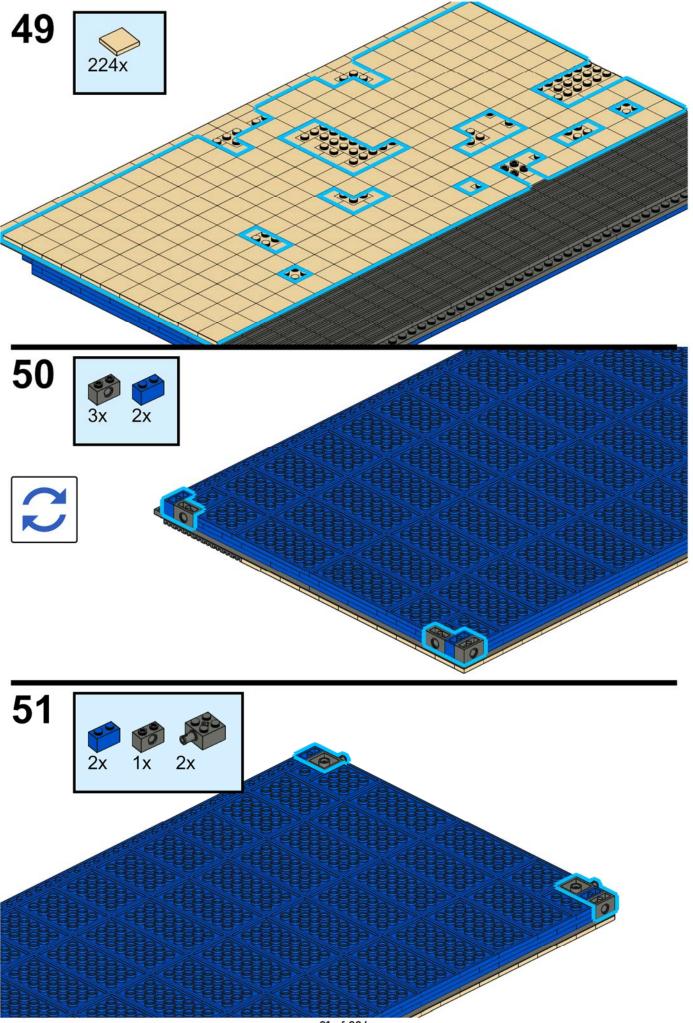




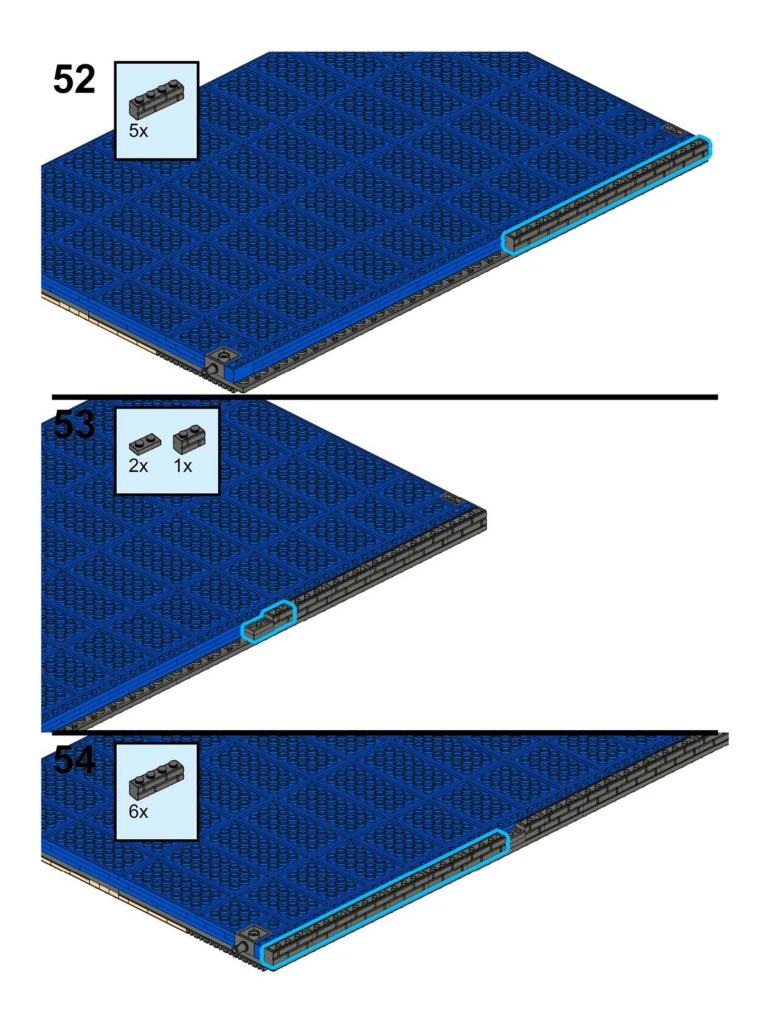


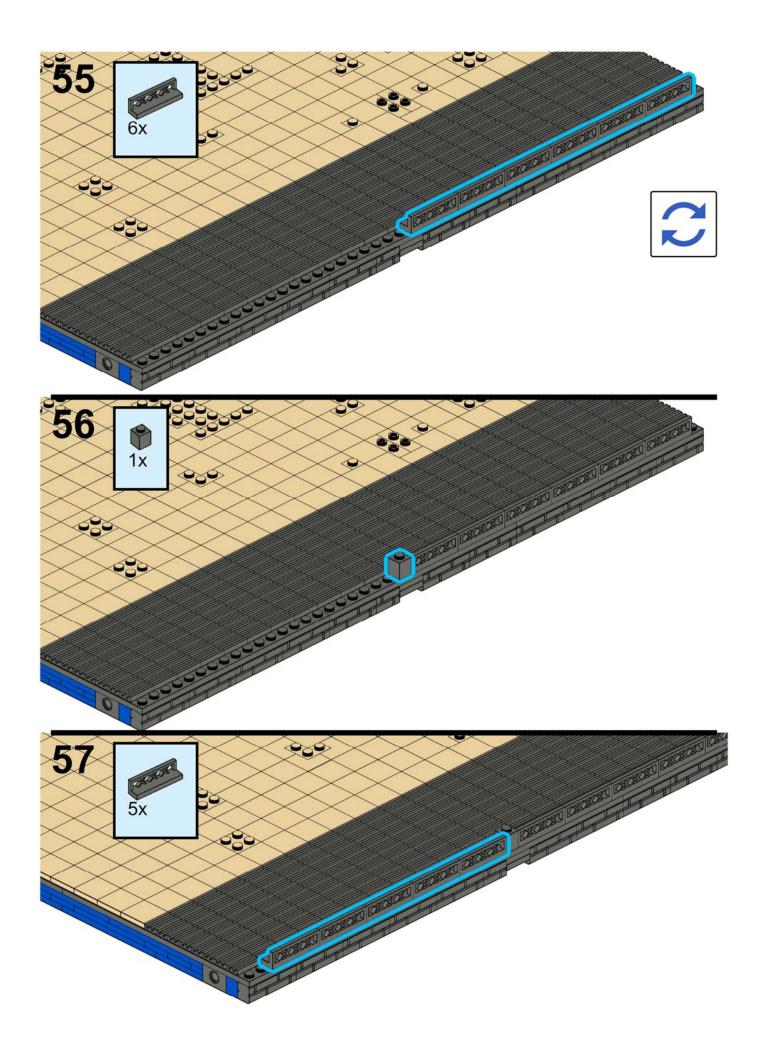


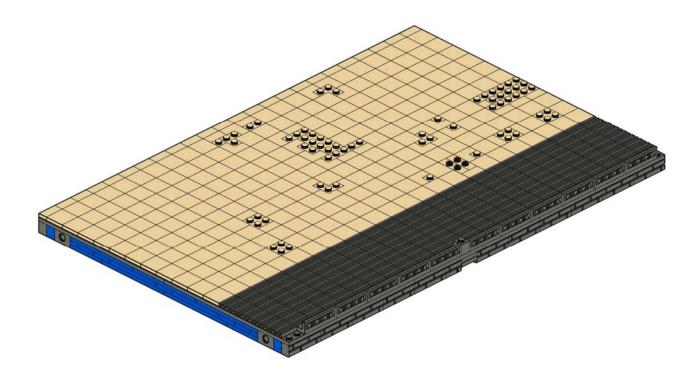
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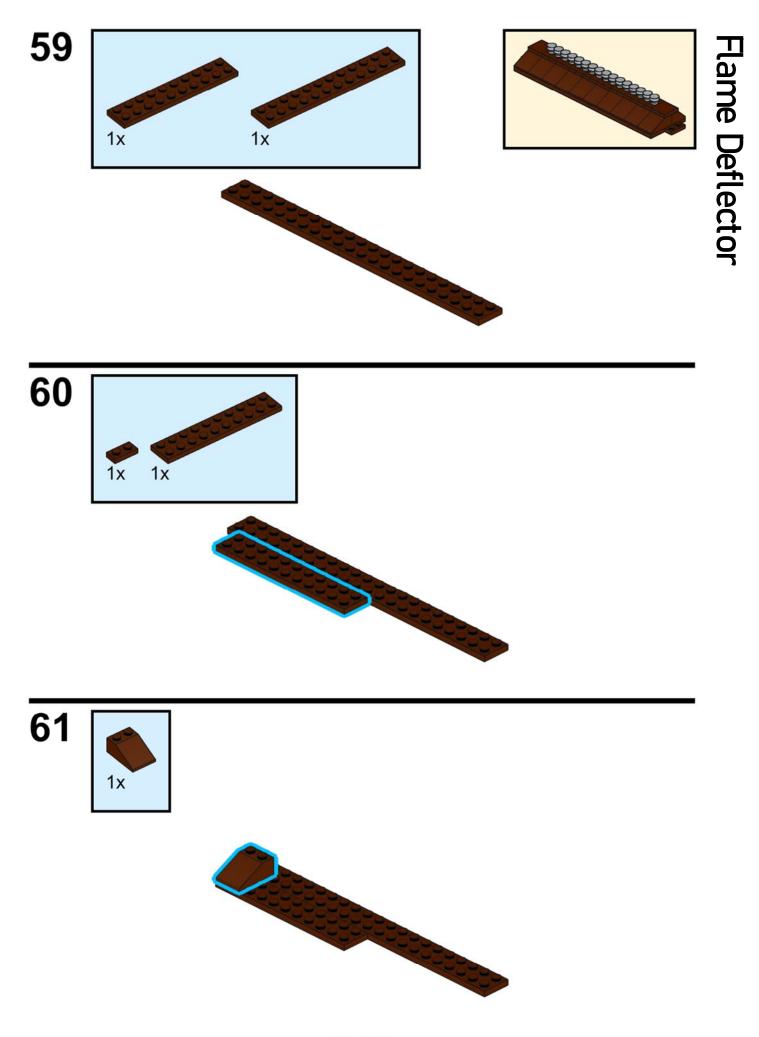


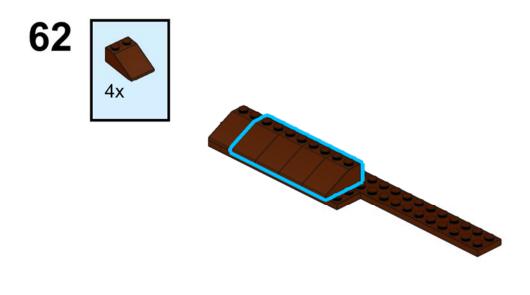
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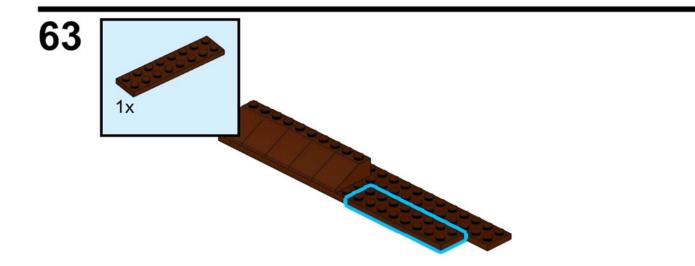


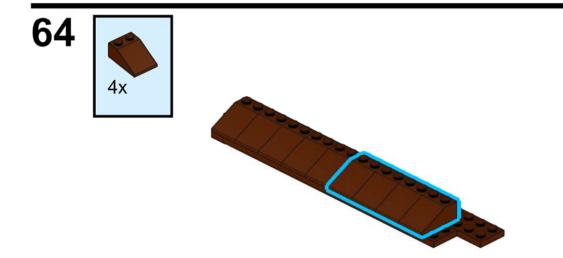


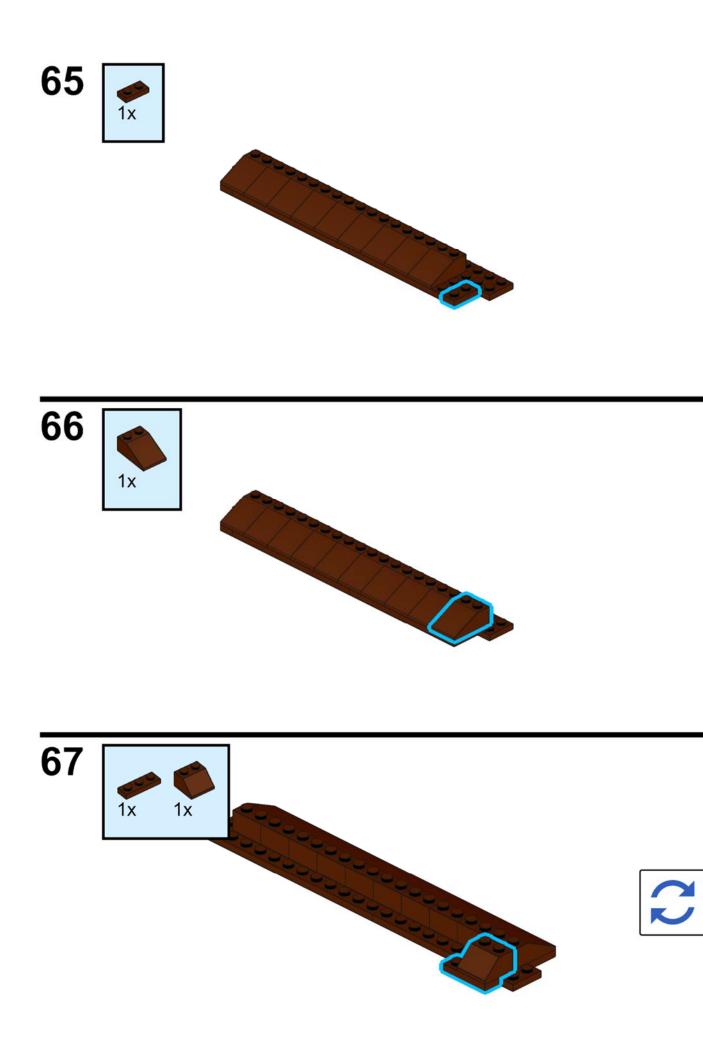


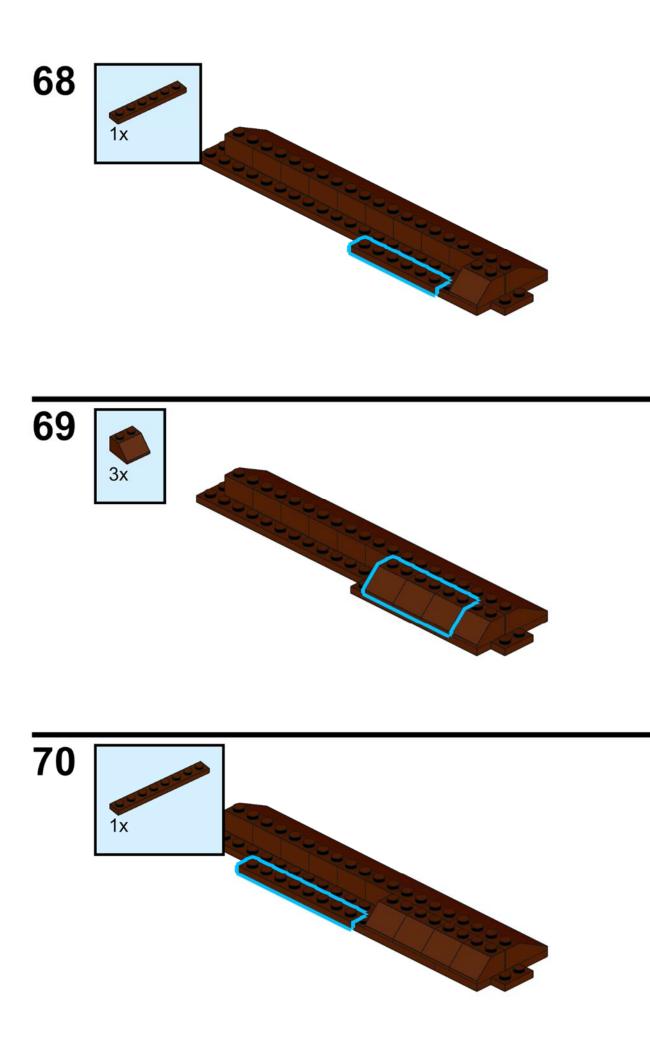


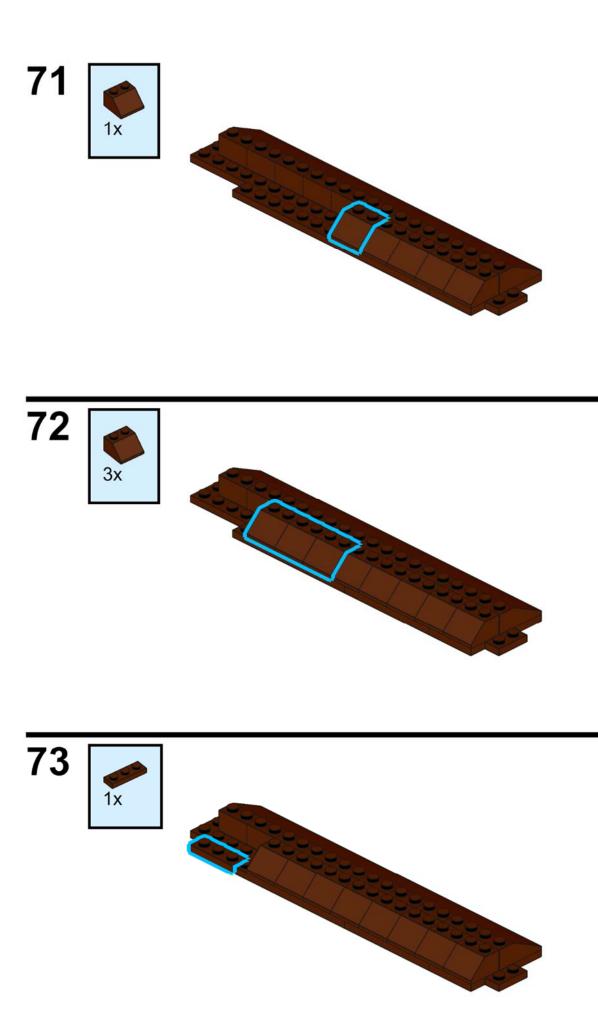


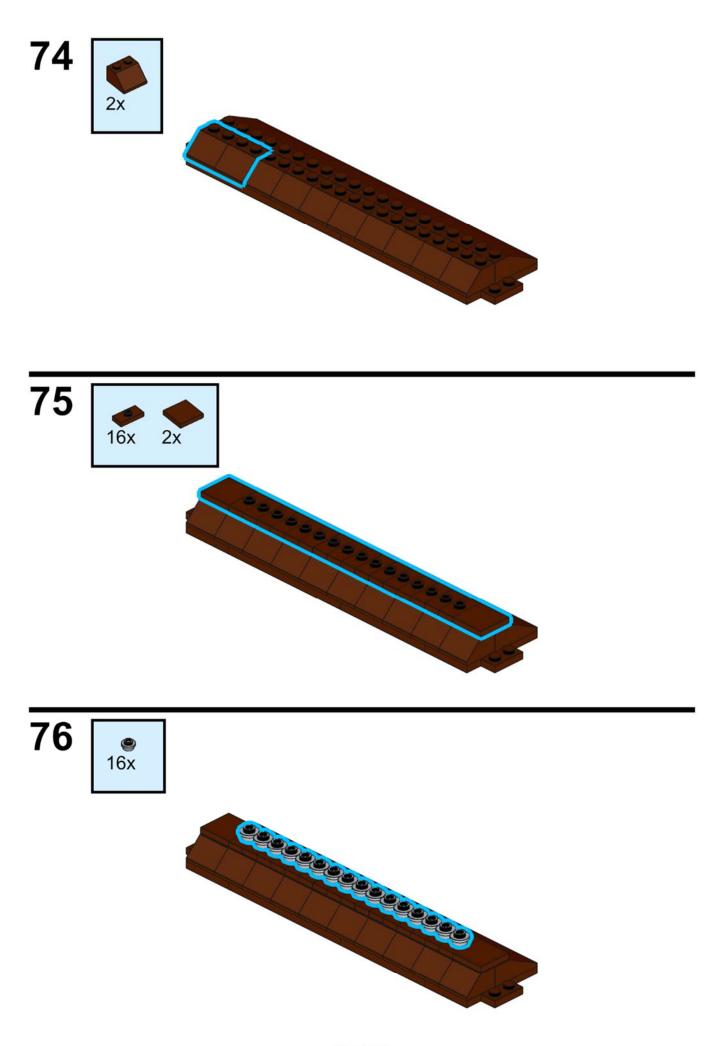






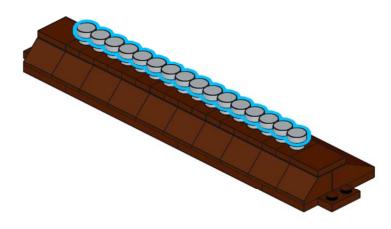


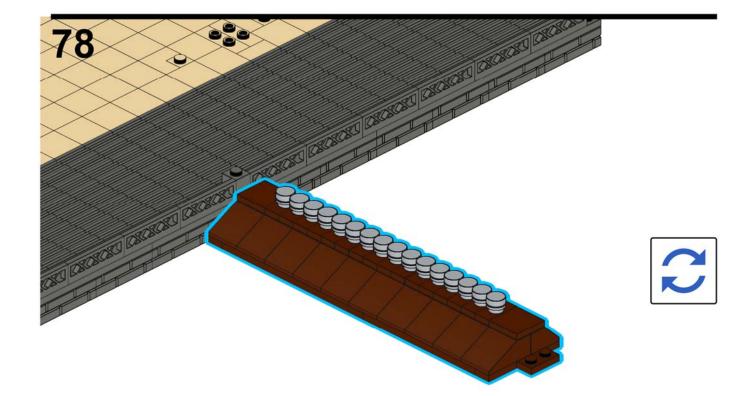


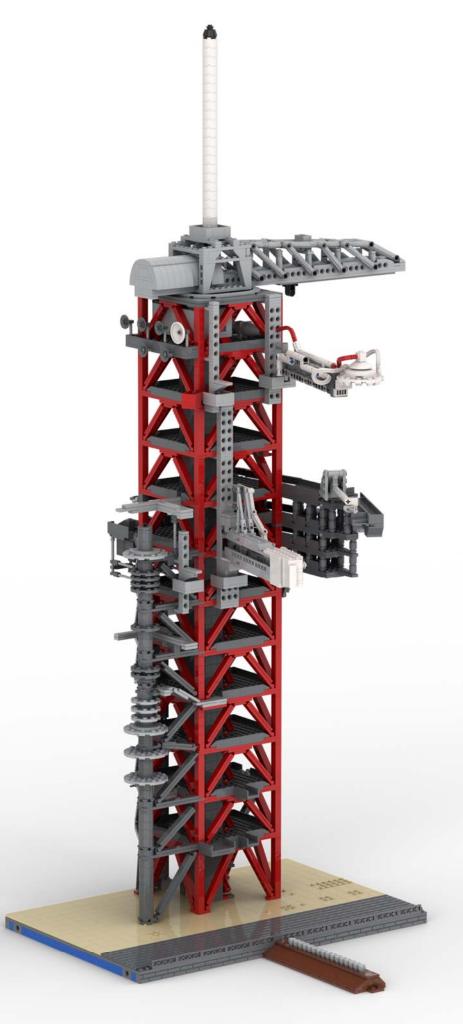




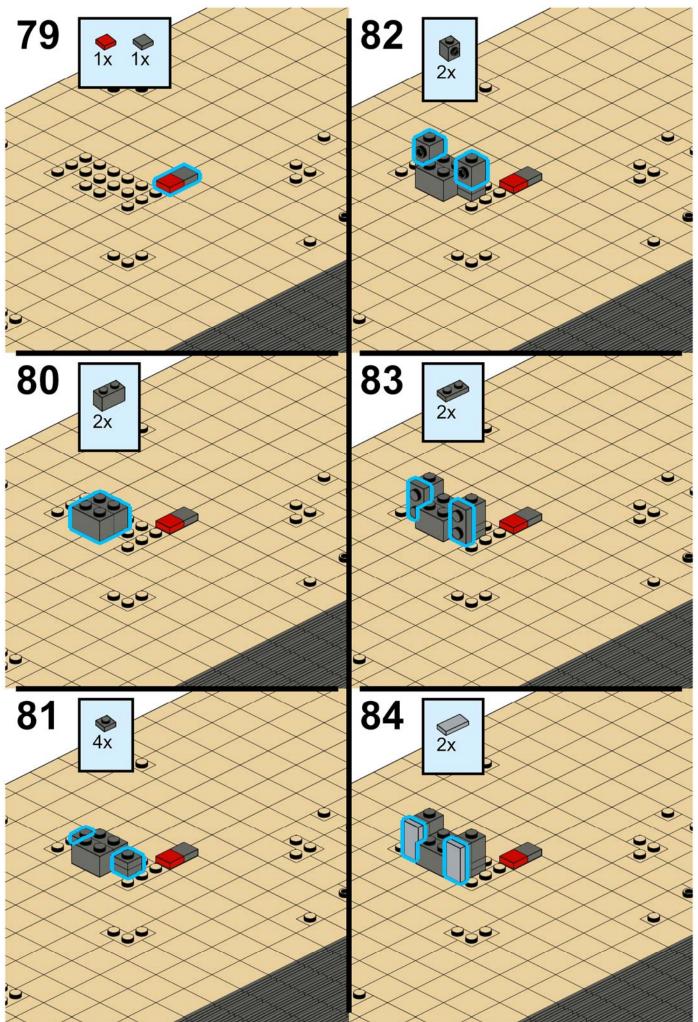


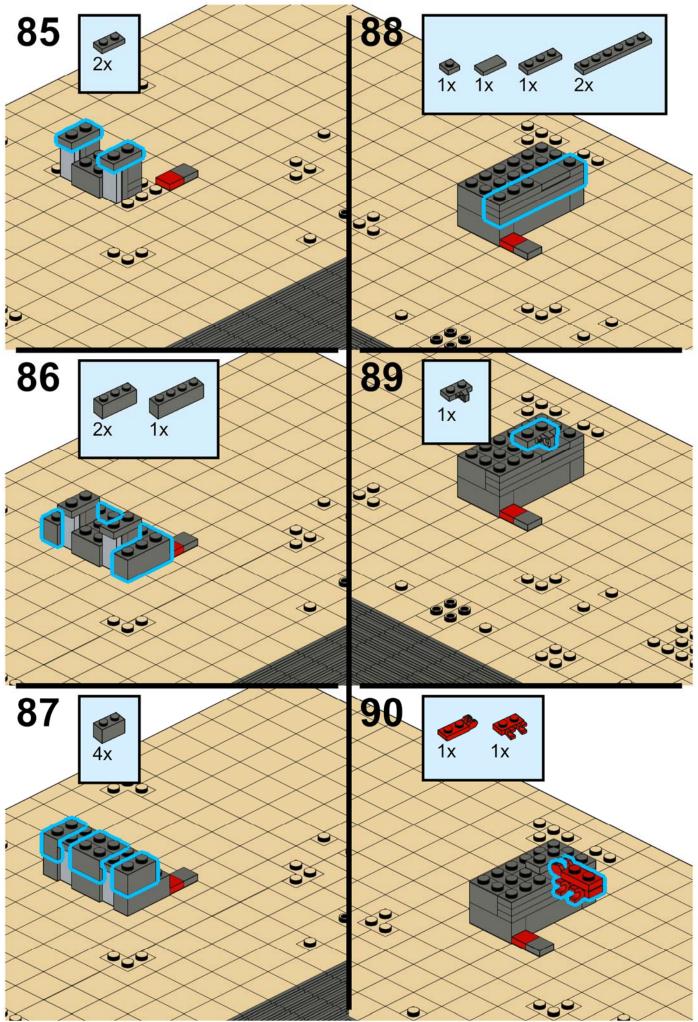


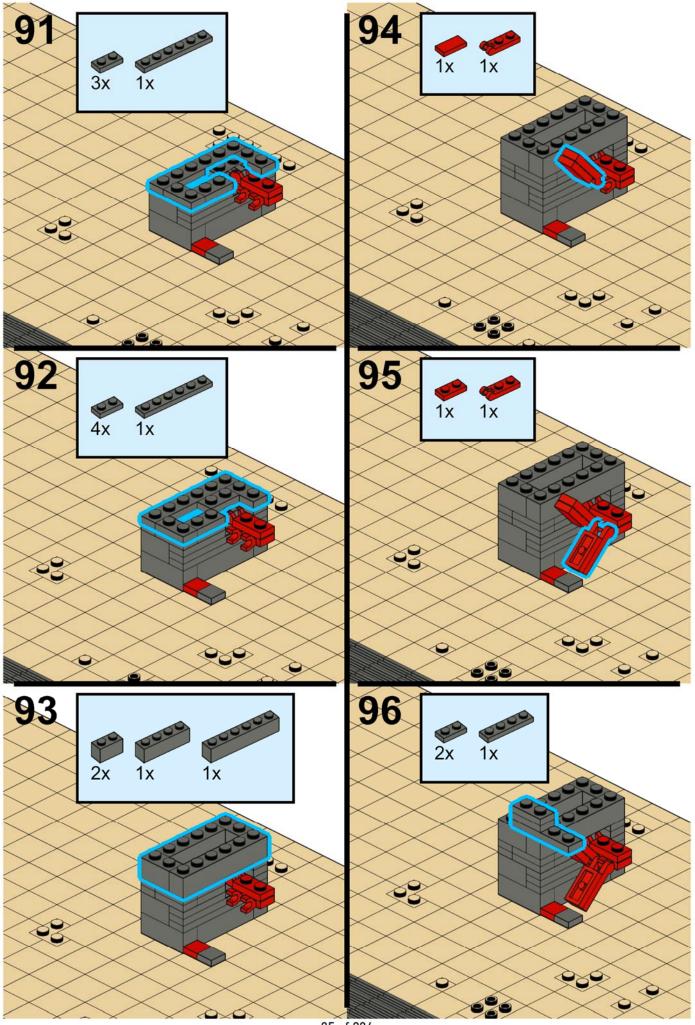




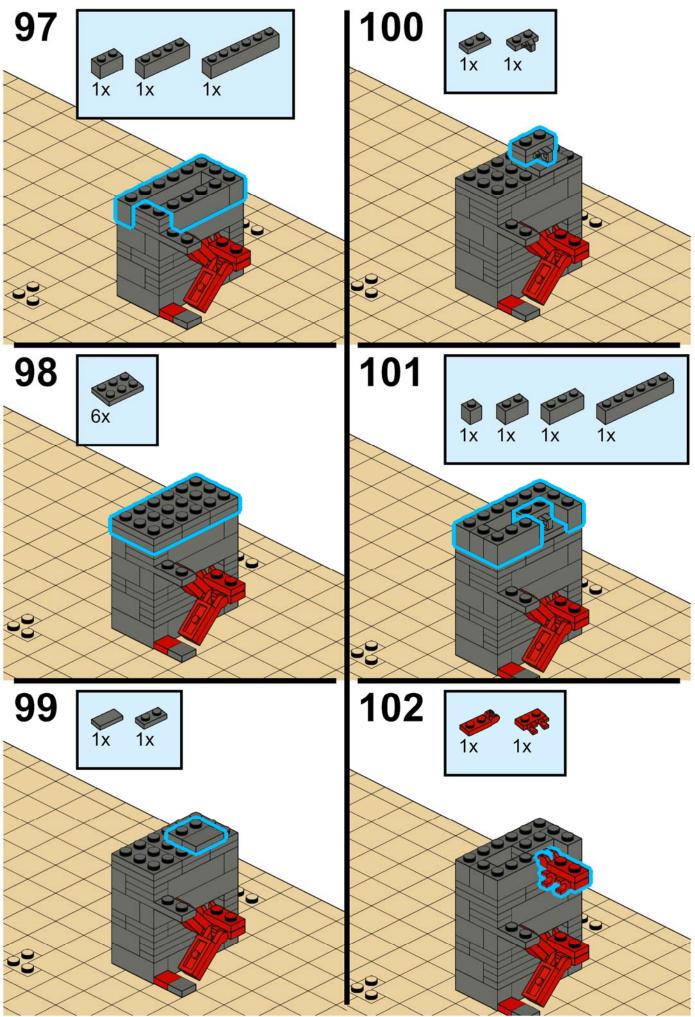
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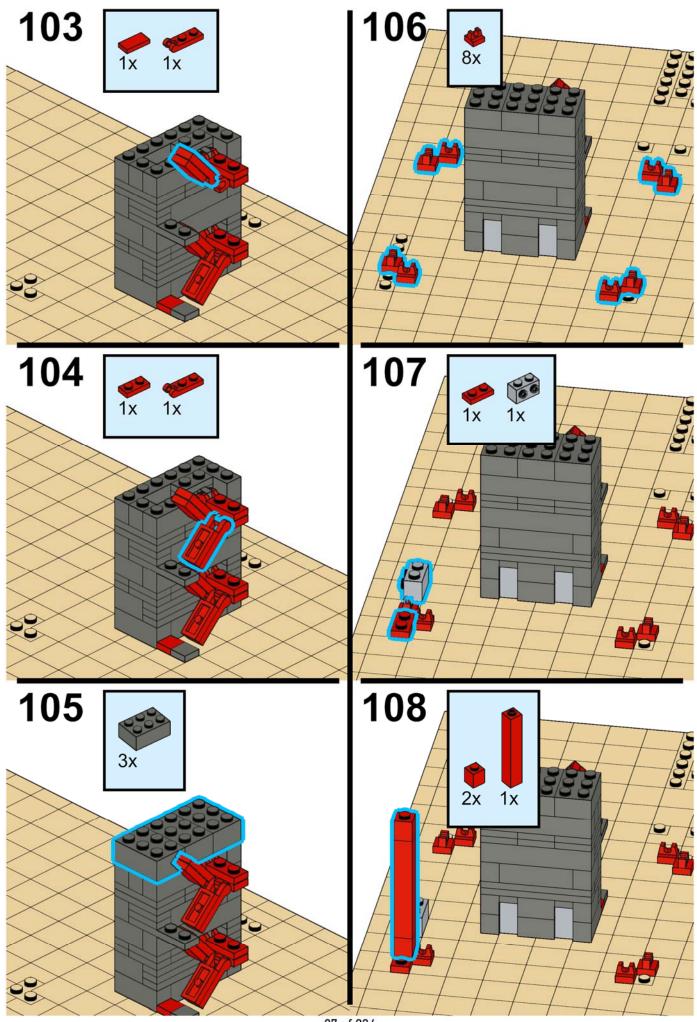


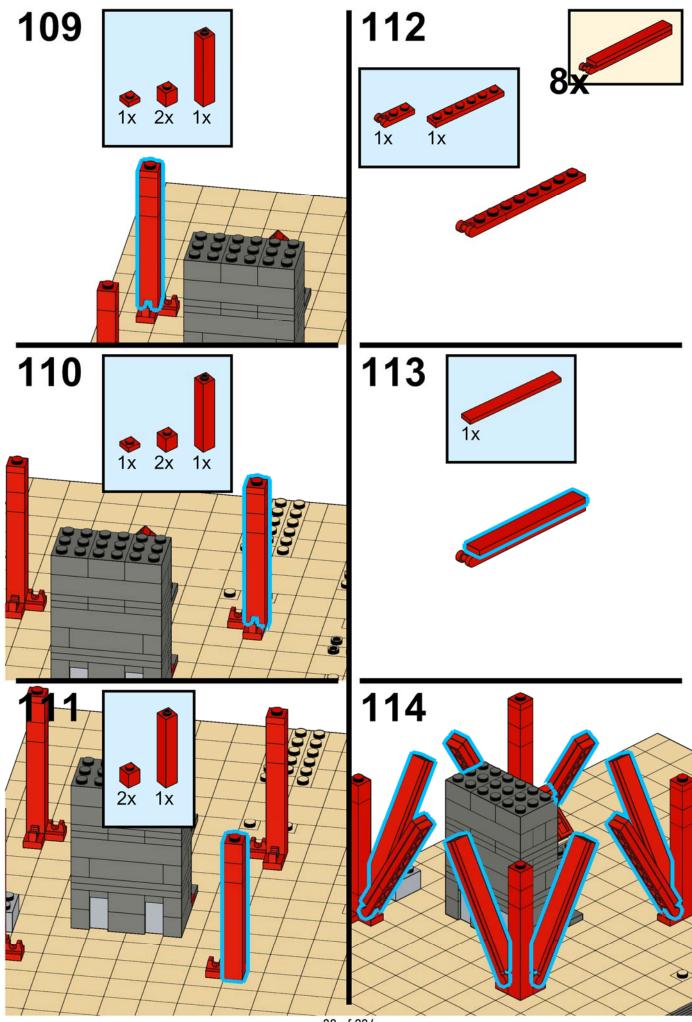


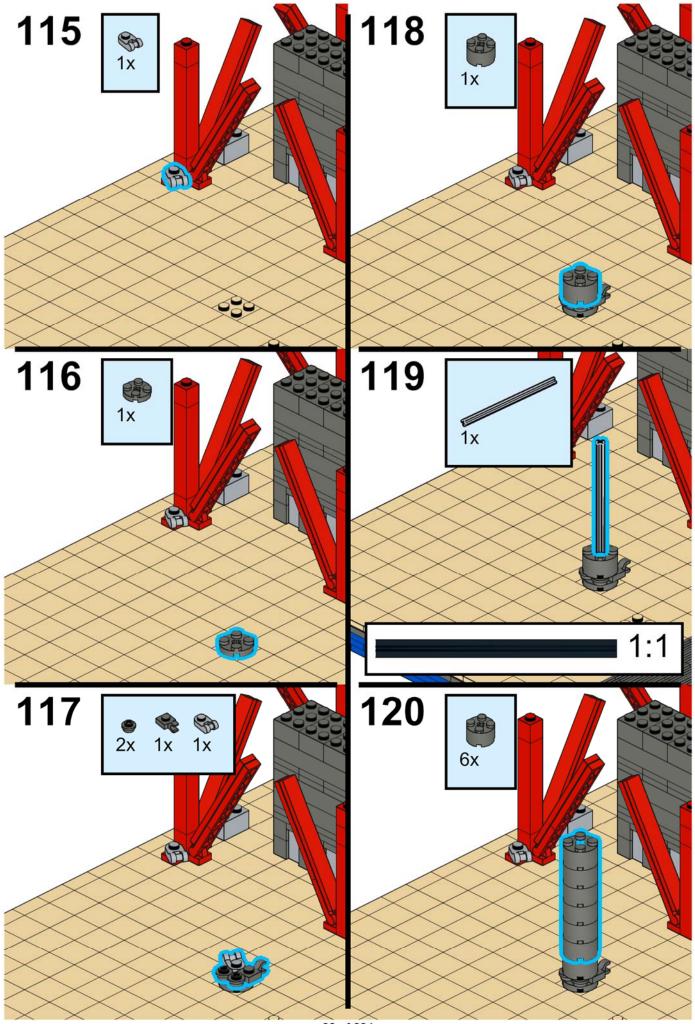


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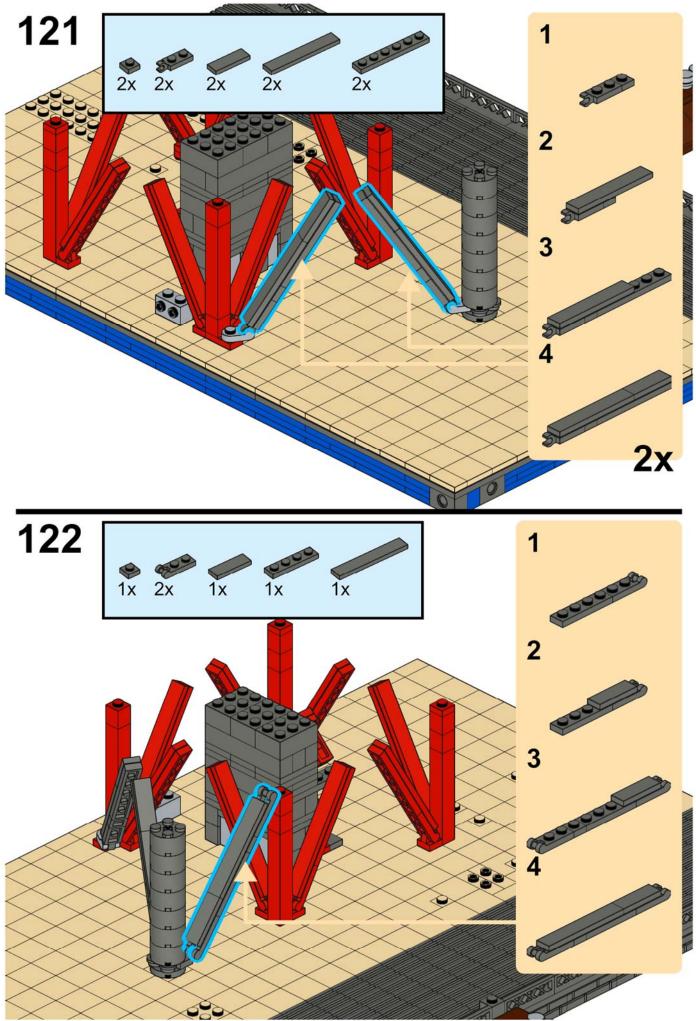


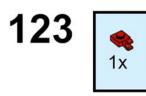


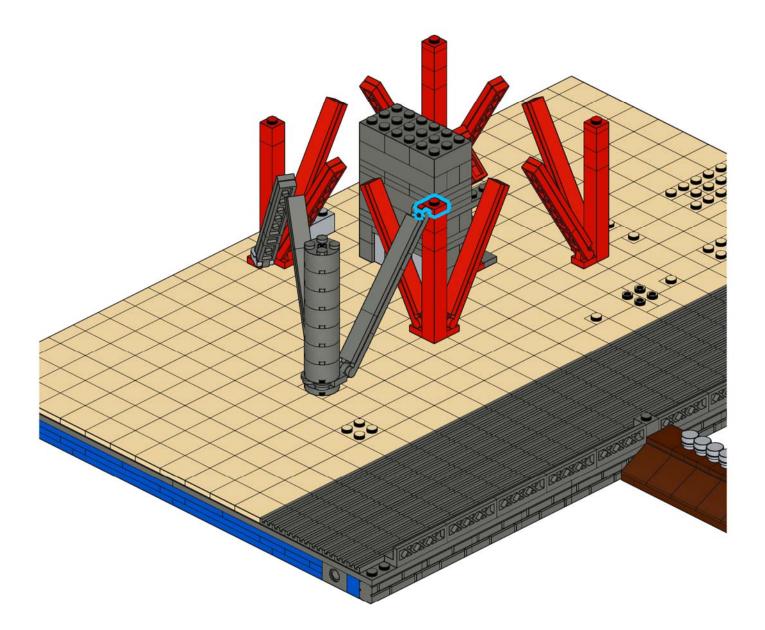




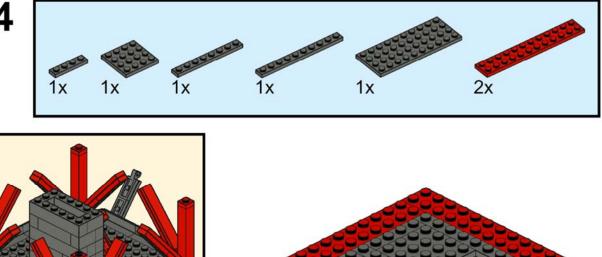
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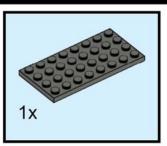


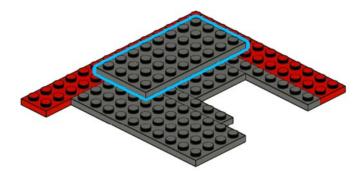


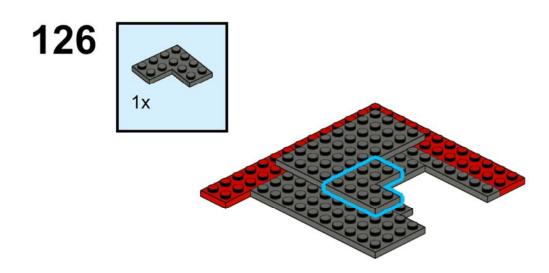
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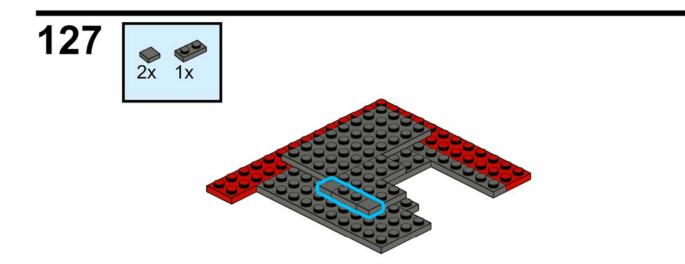


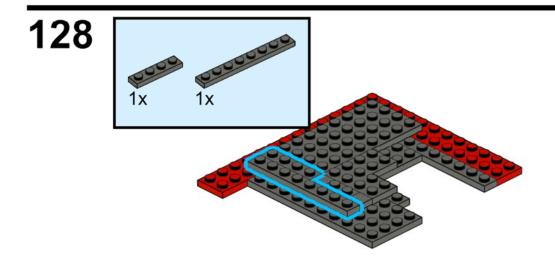
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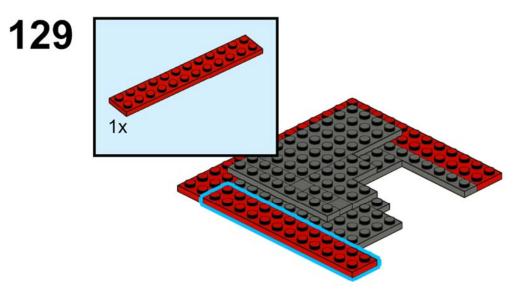


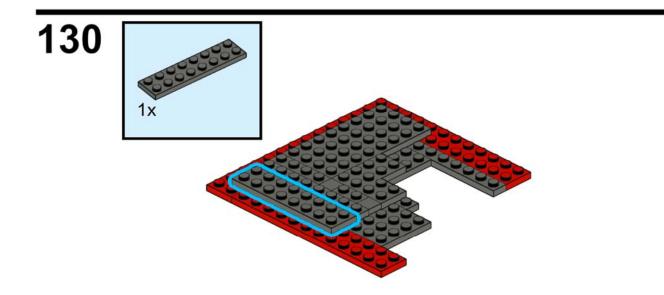


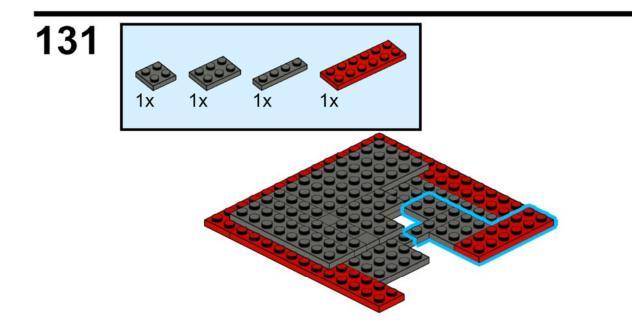


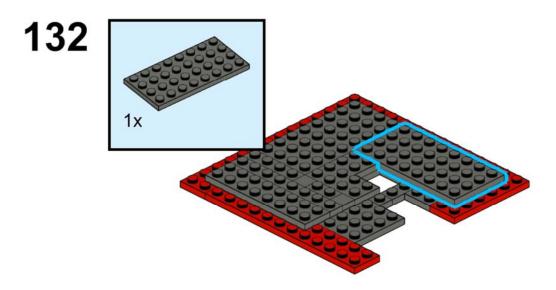


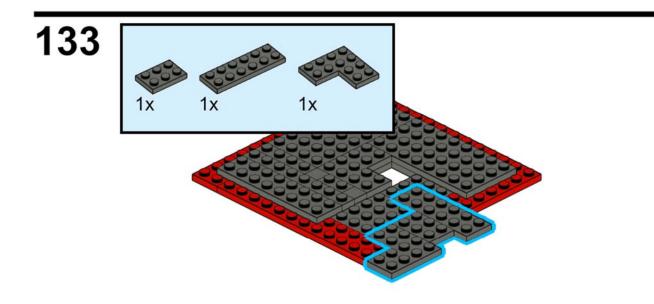


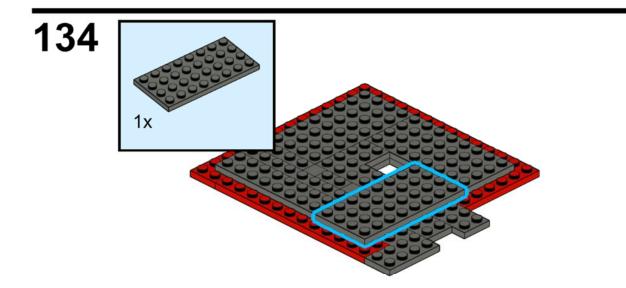


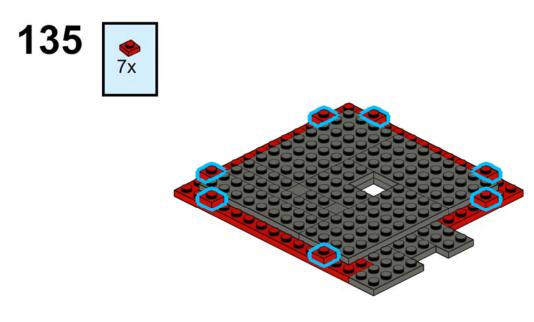


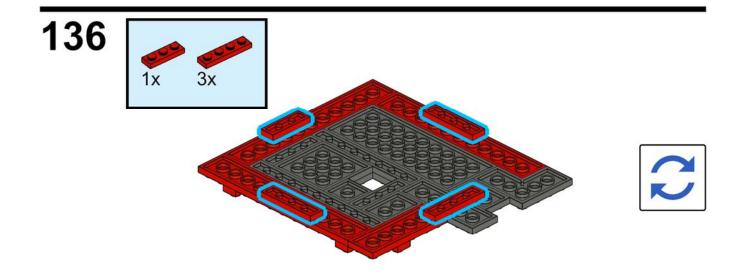


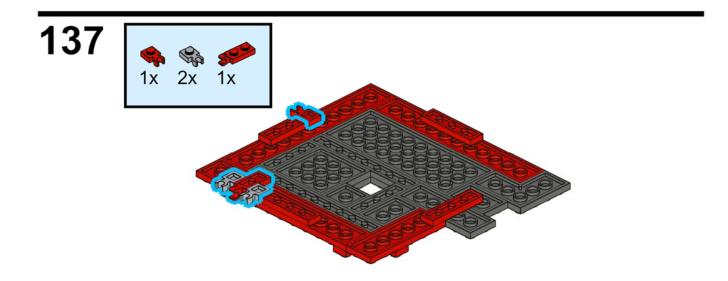


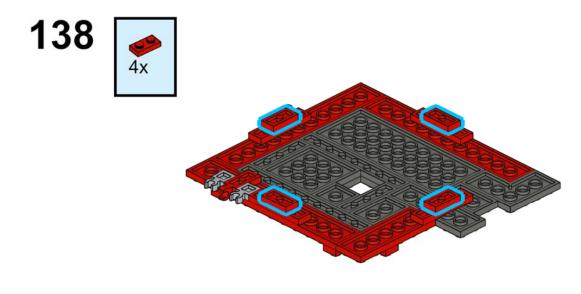


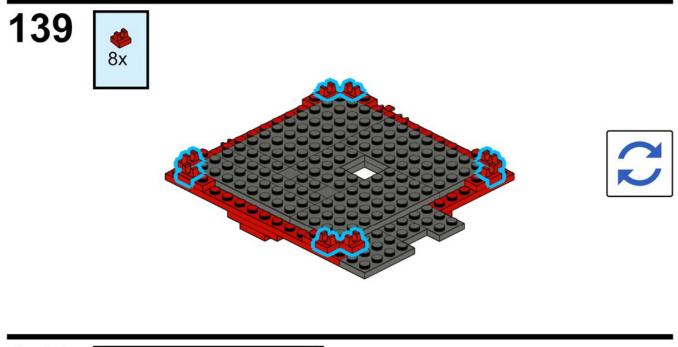


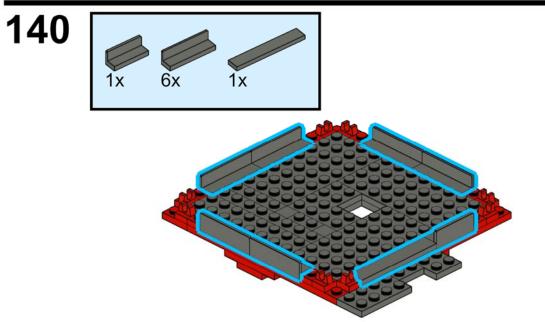


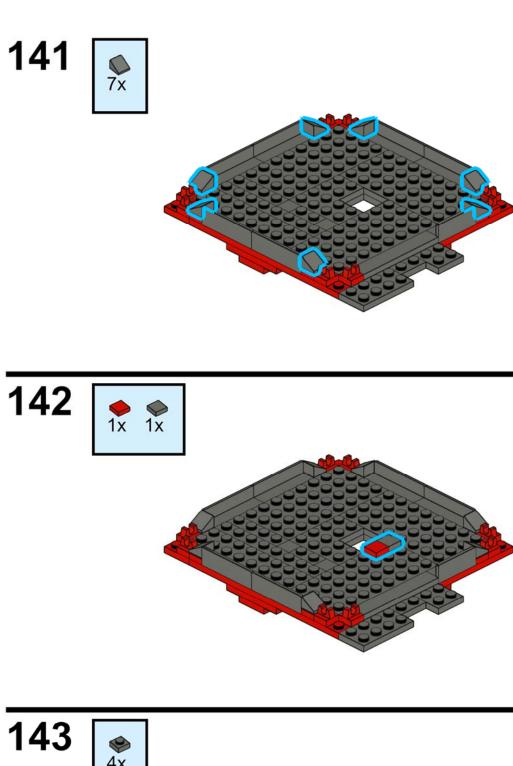


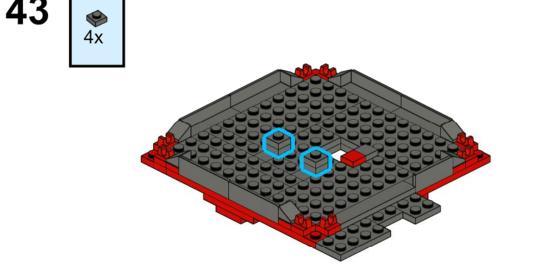


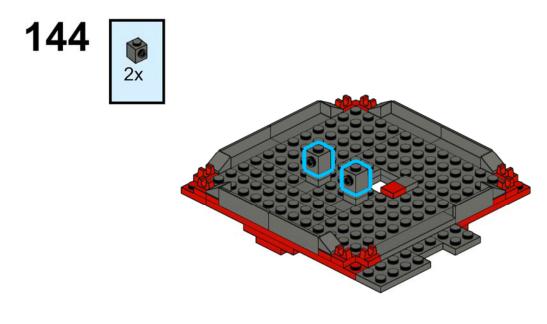


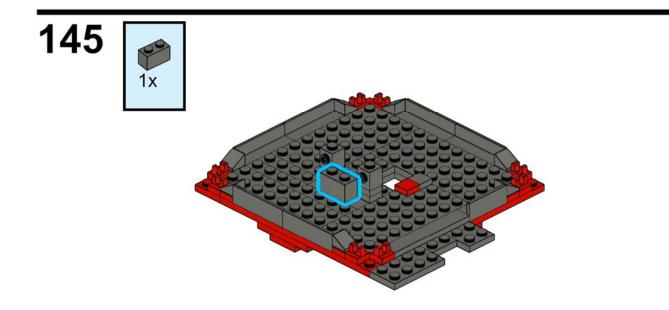


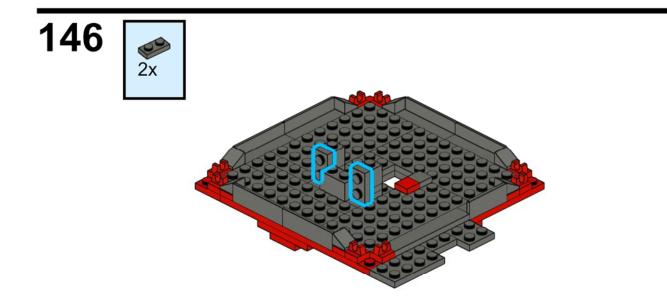


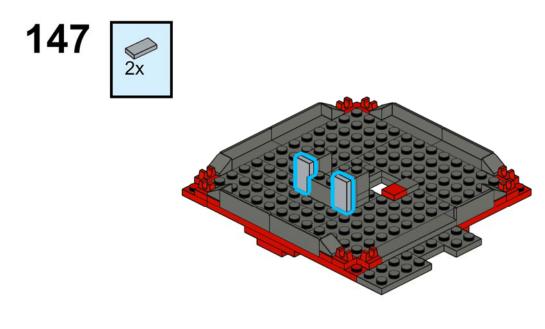


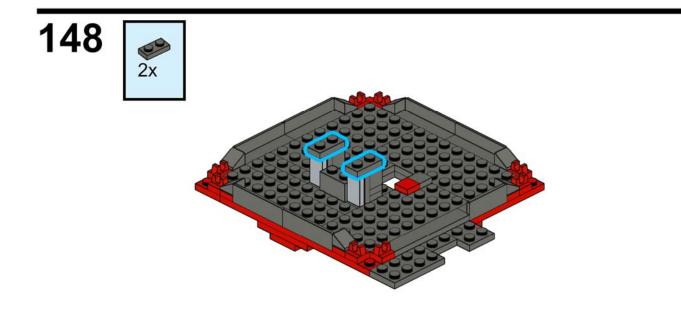


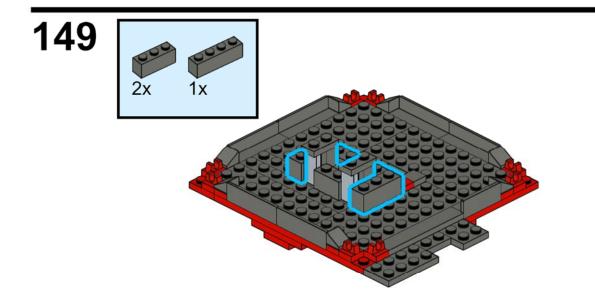


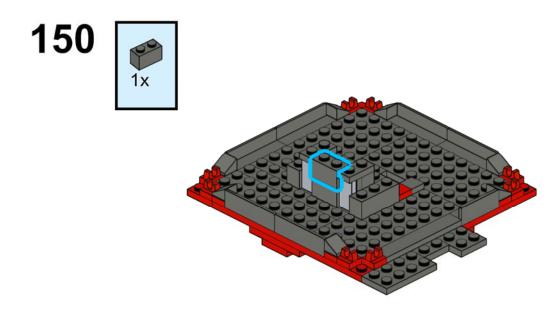


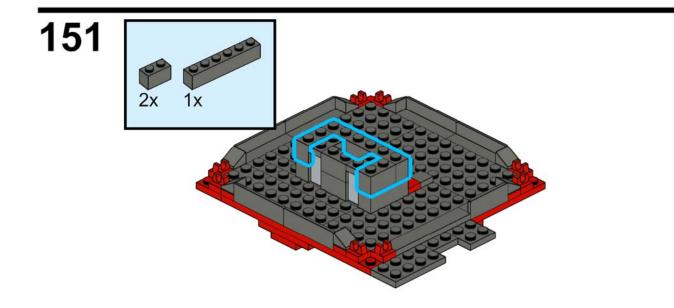


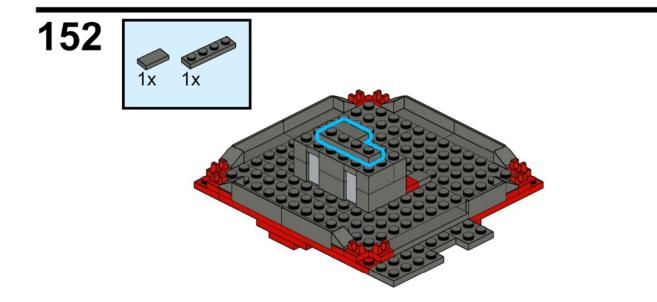


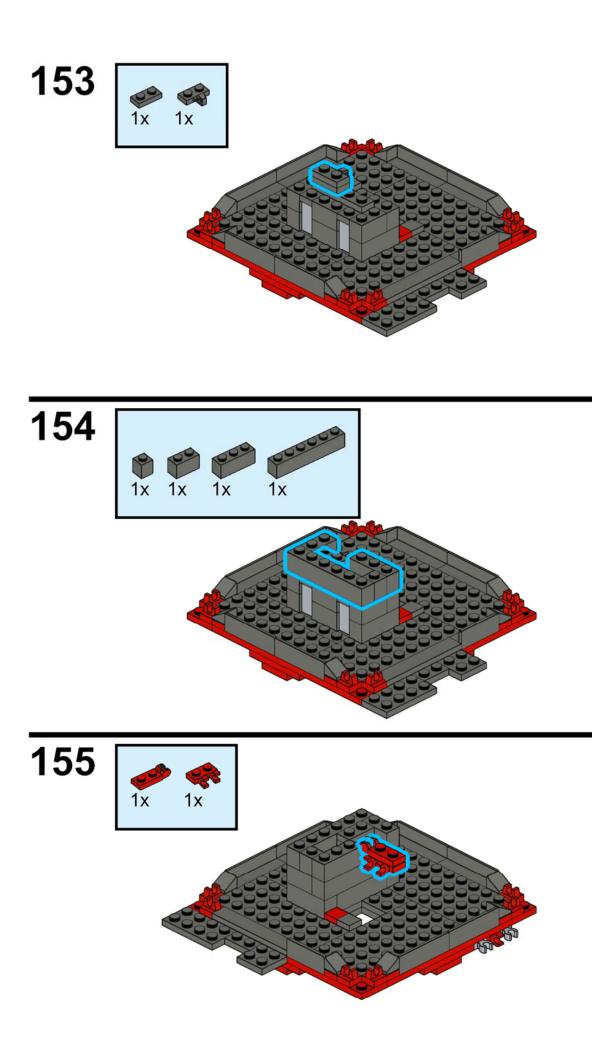


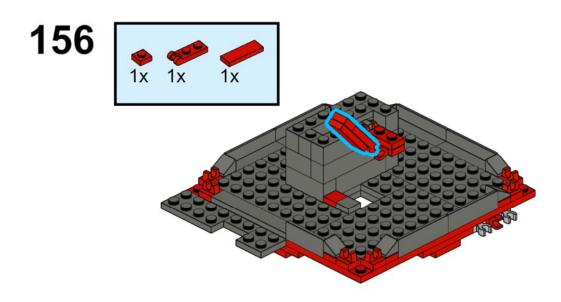


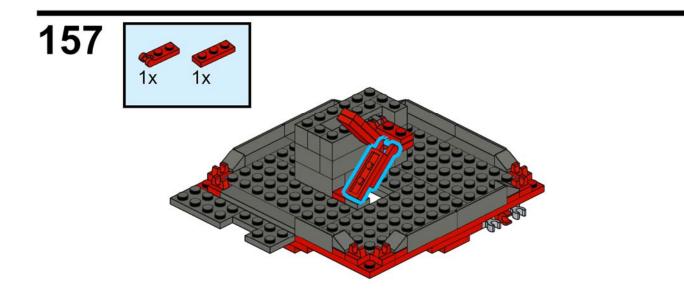


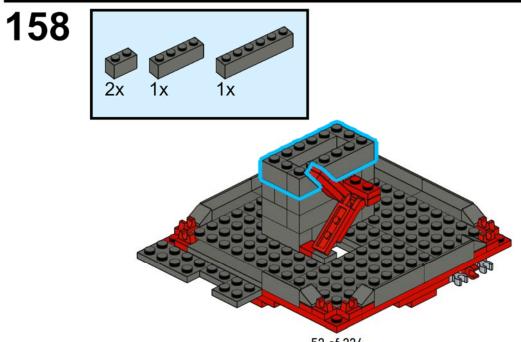


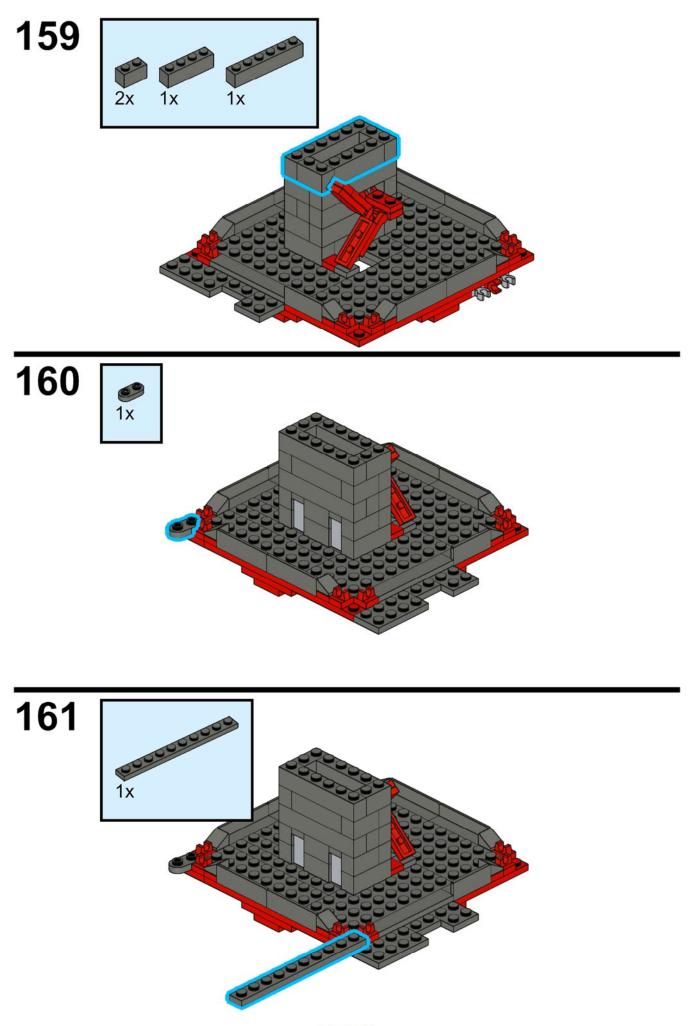


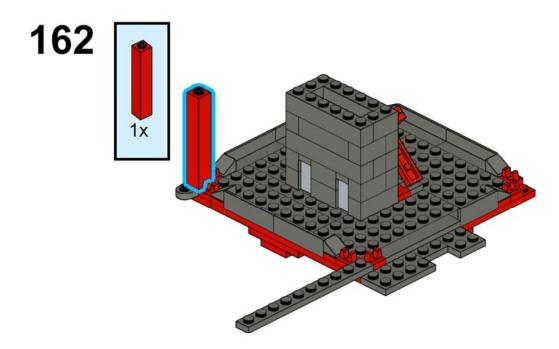


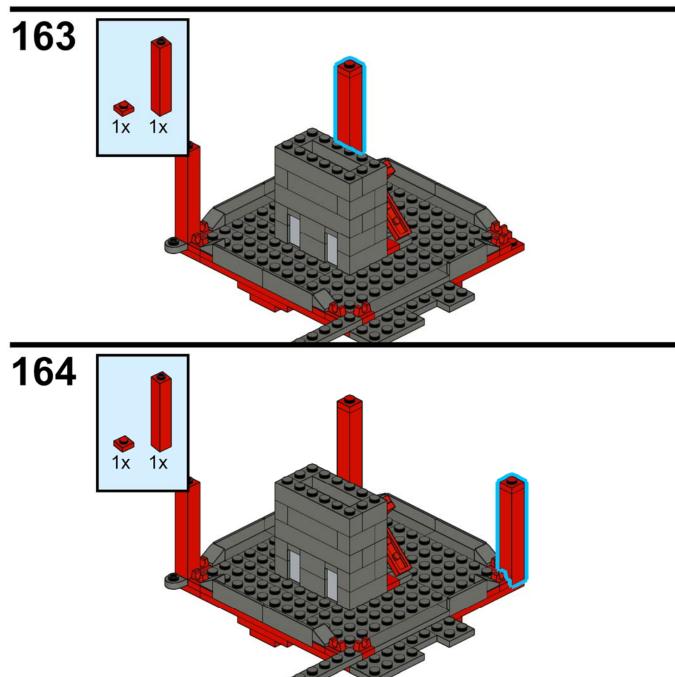


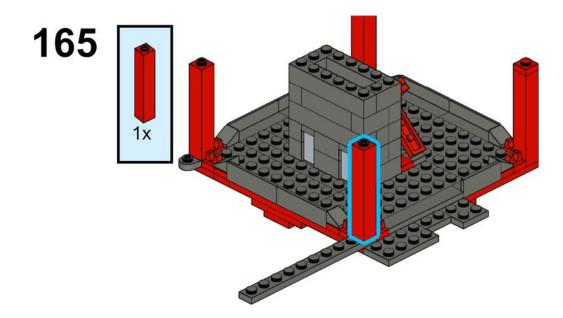


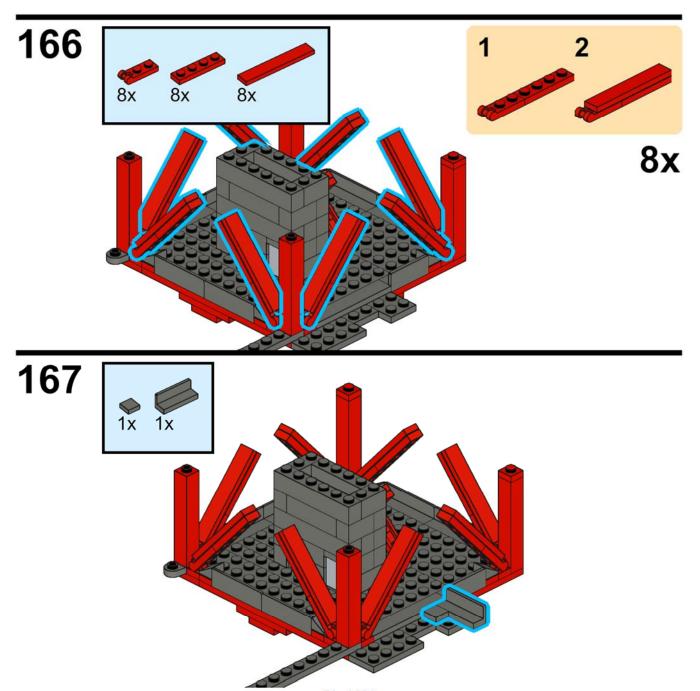


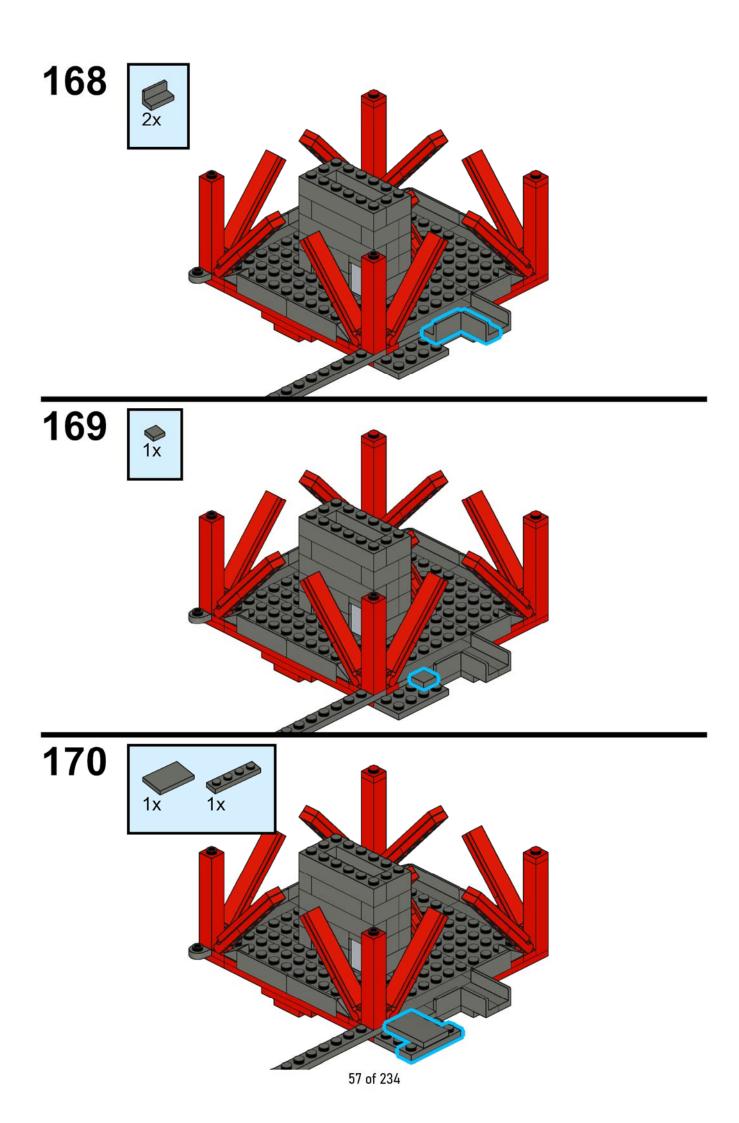


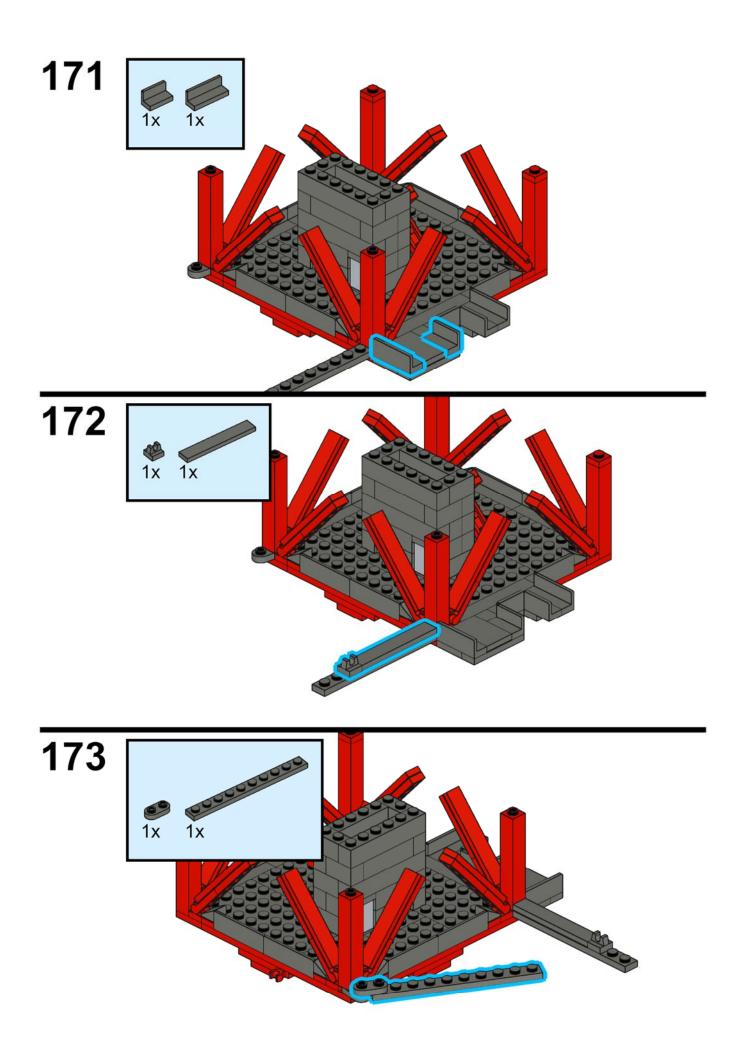


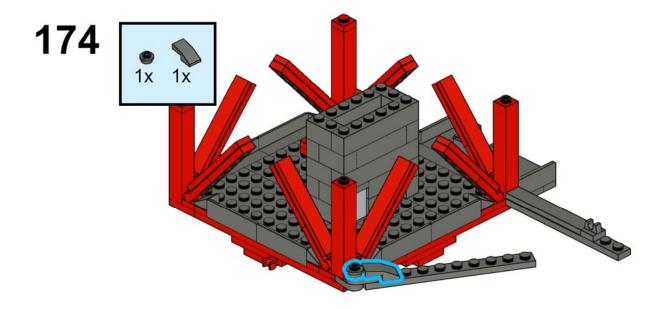


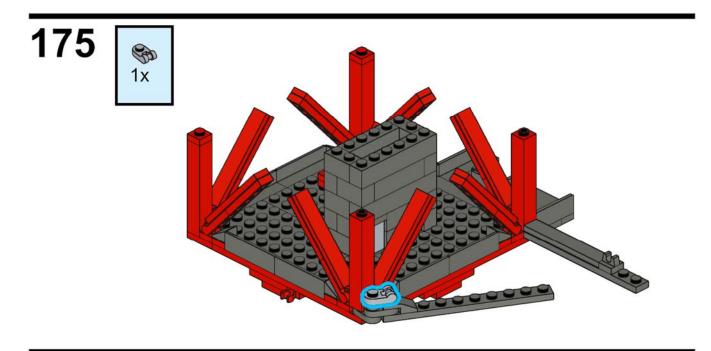


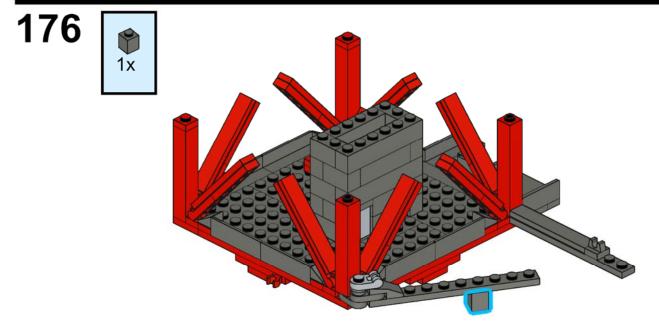


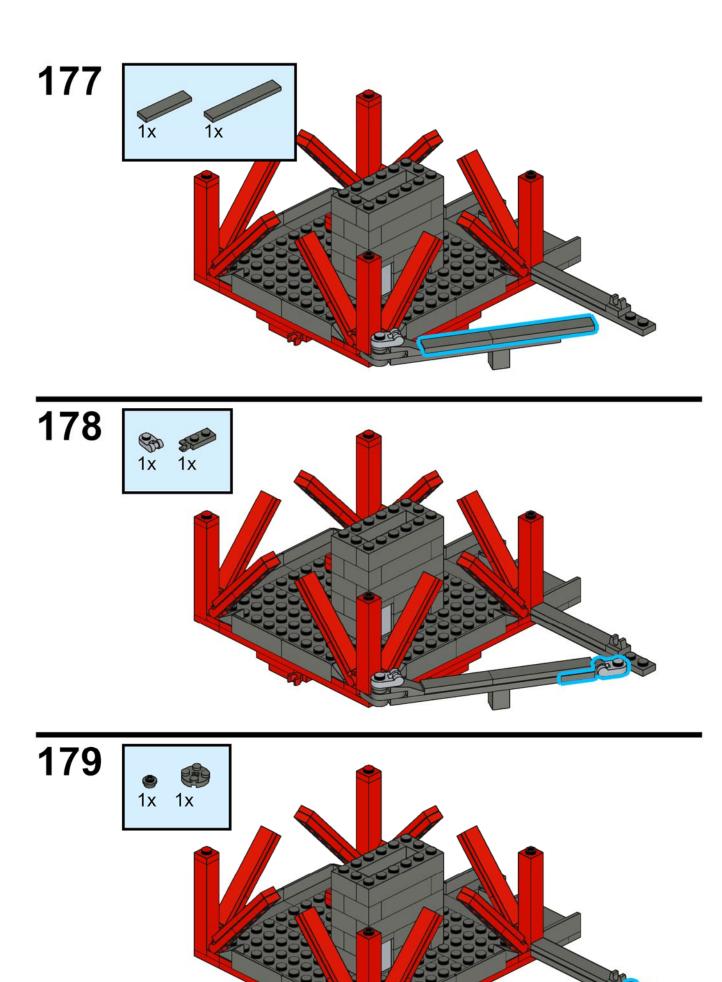


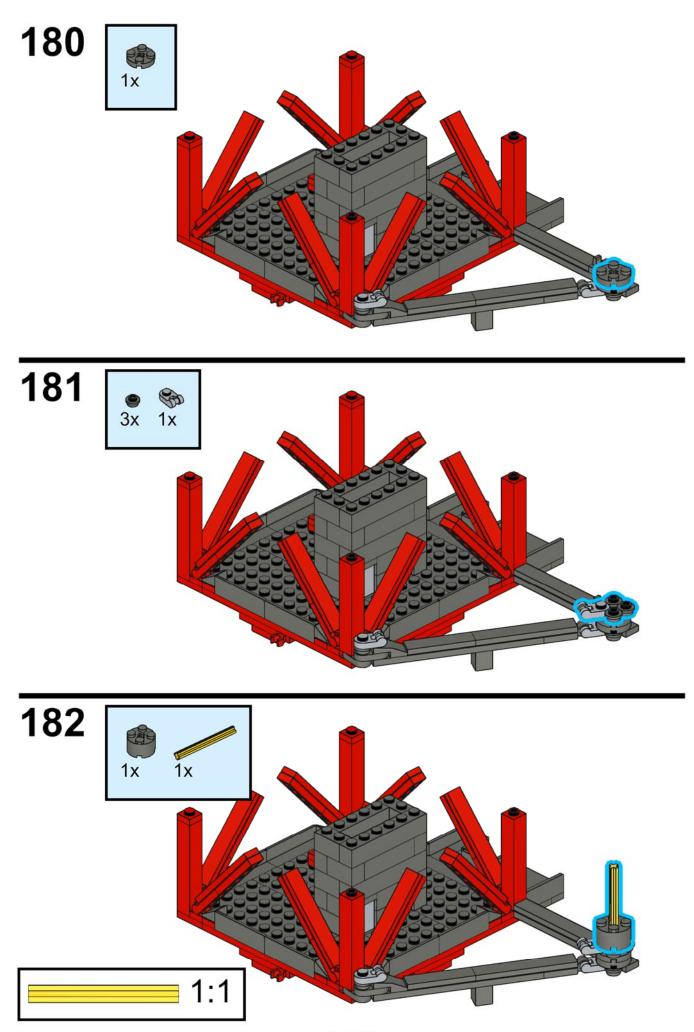


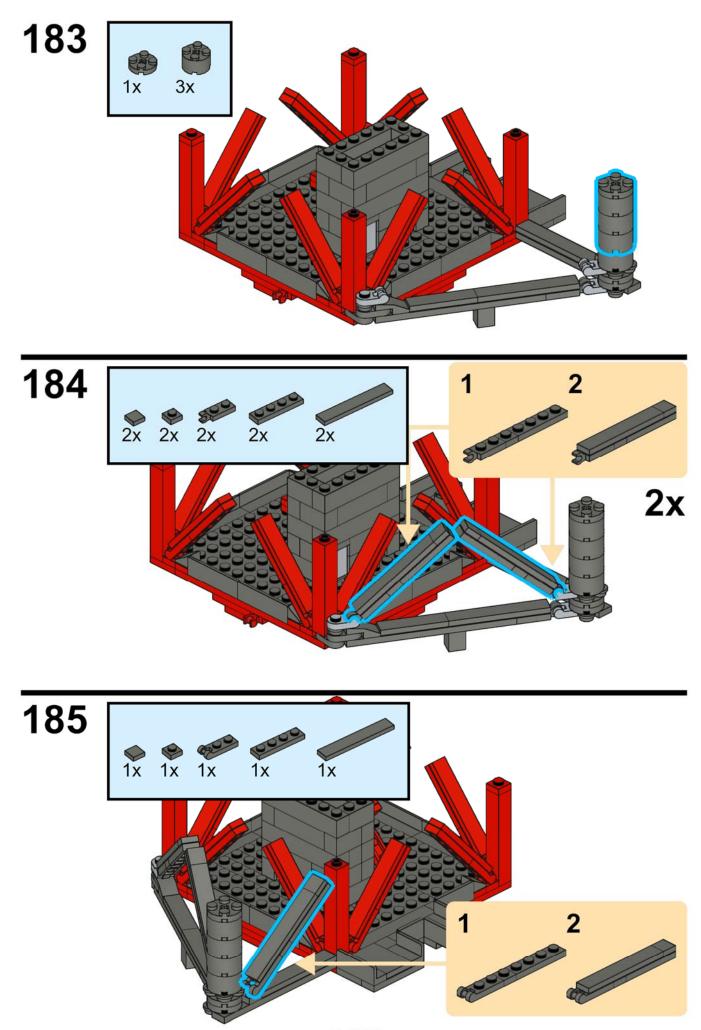


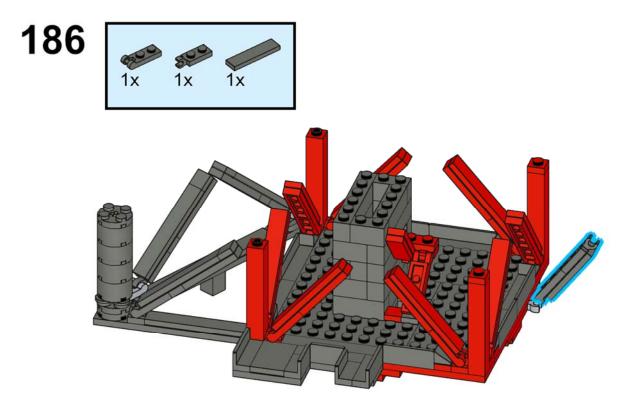


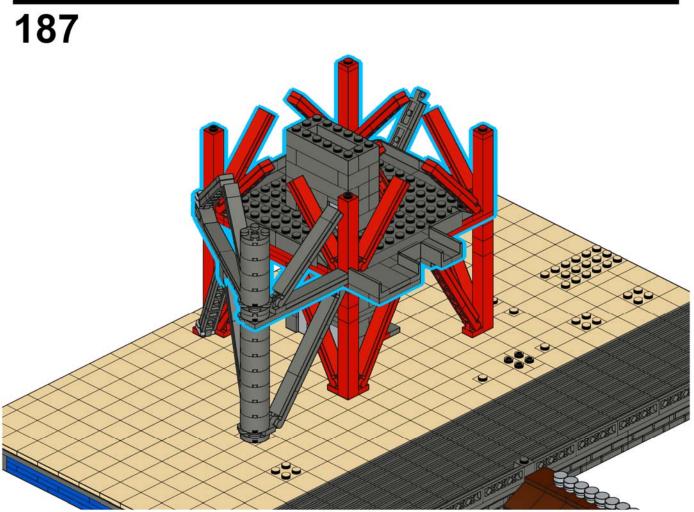






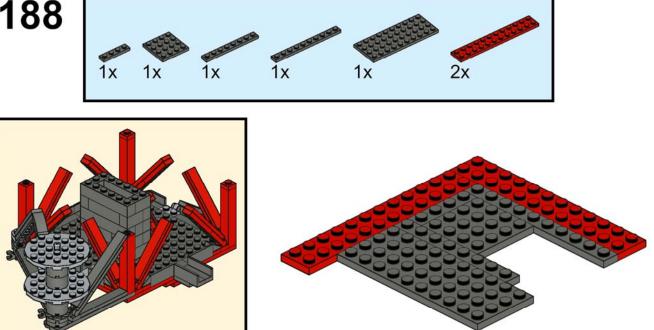




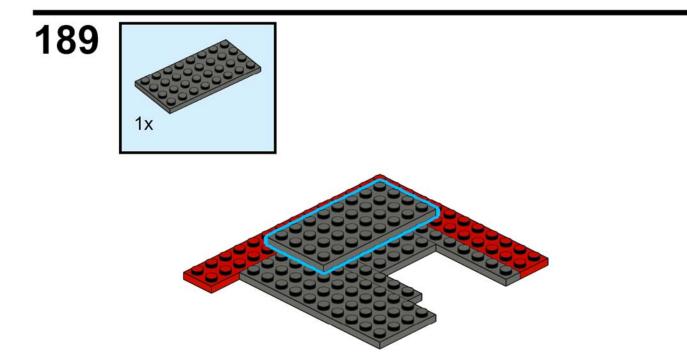


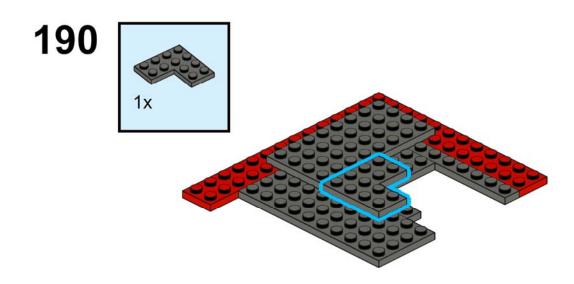
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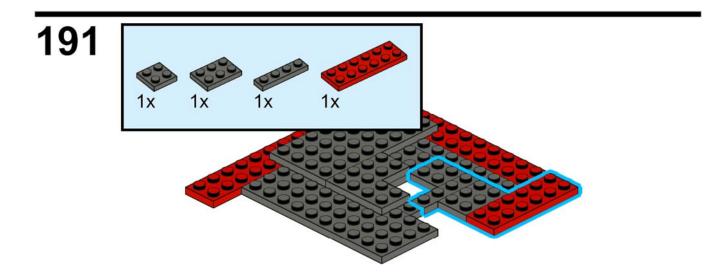
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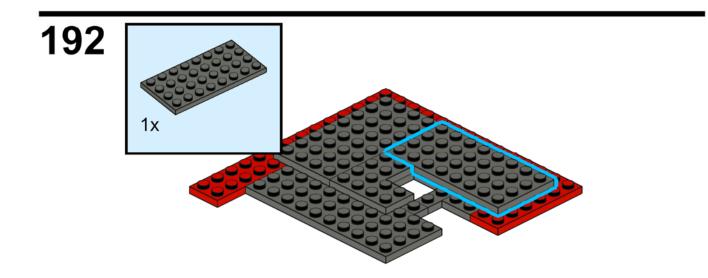


FSS – Level 95

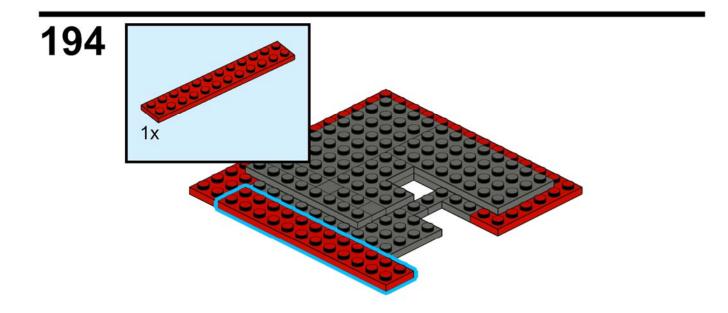


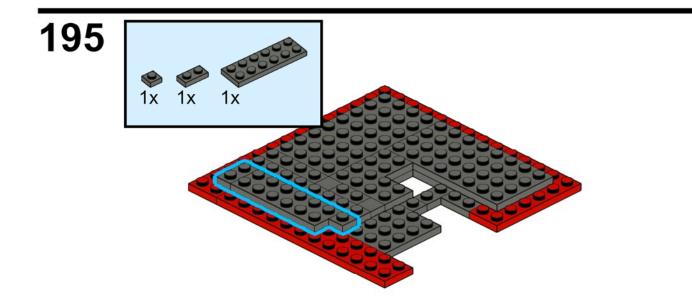


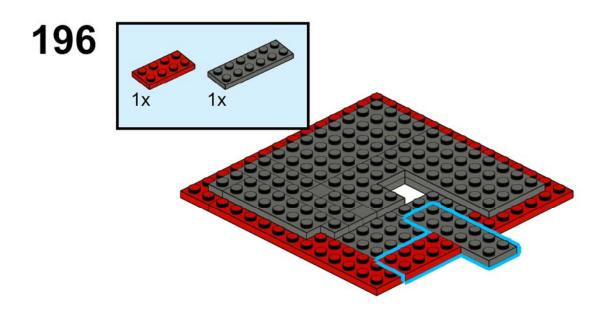


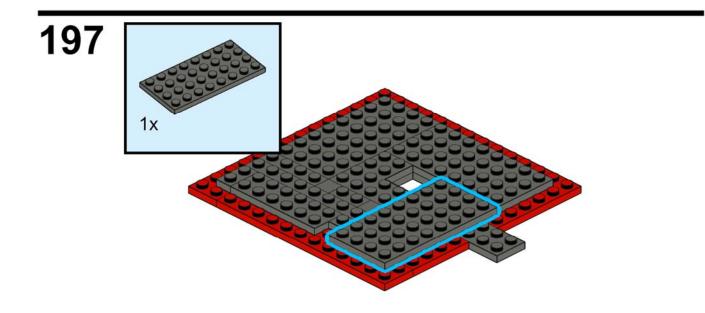


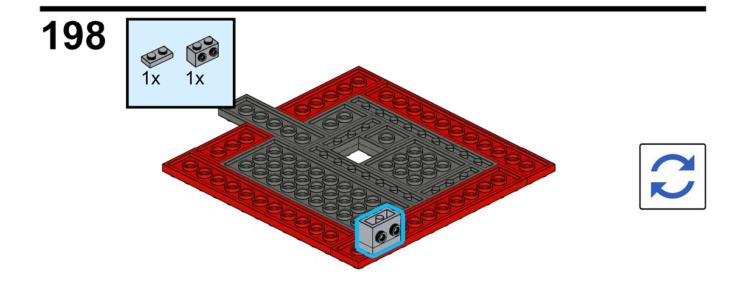
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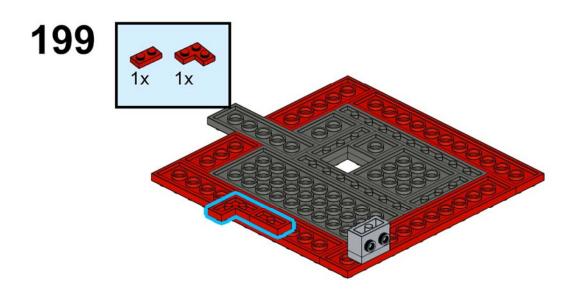


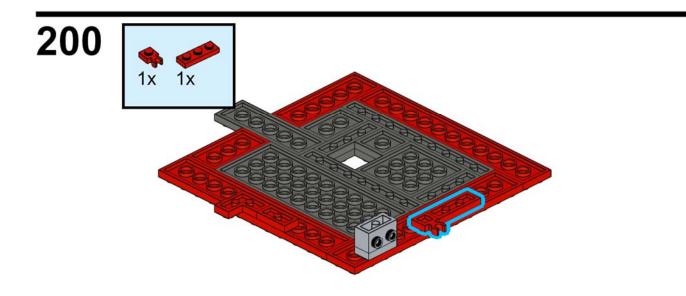


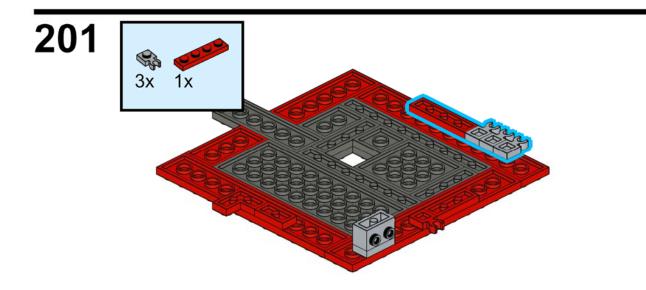


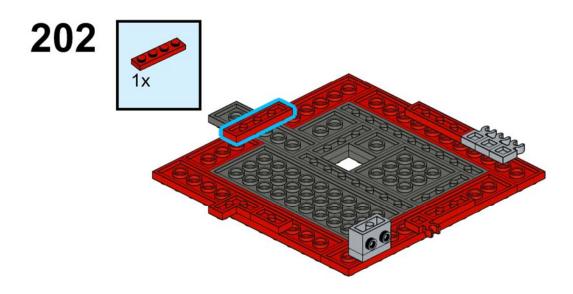


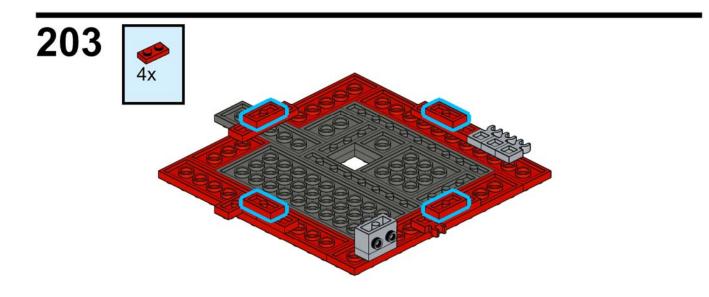


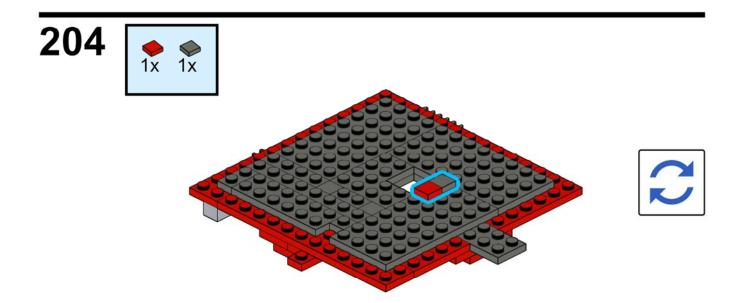


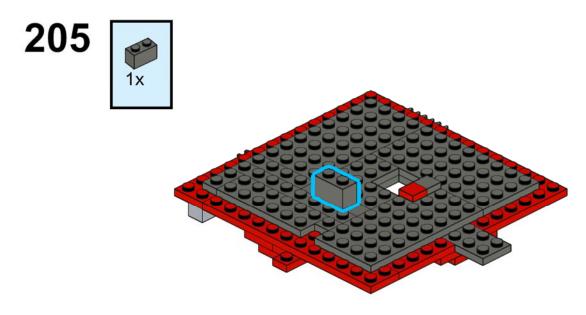


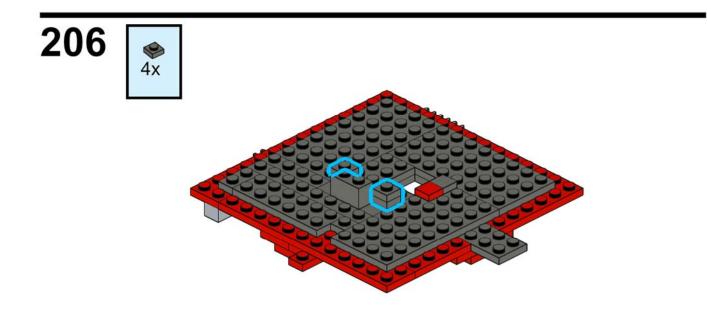


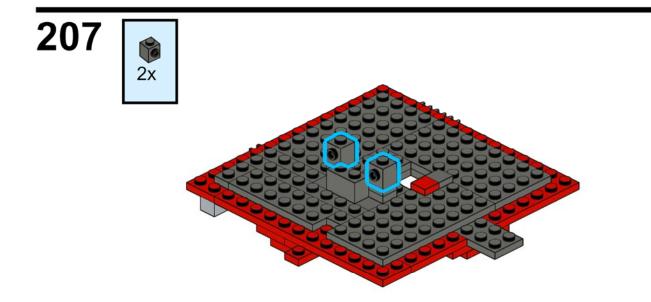


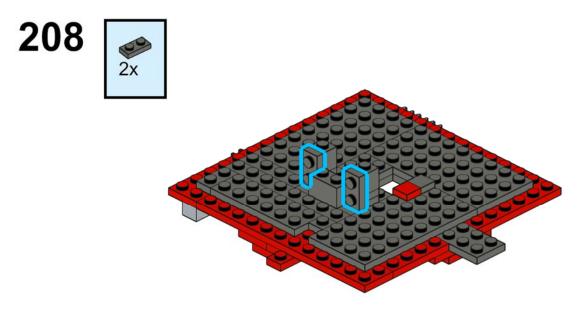


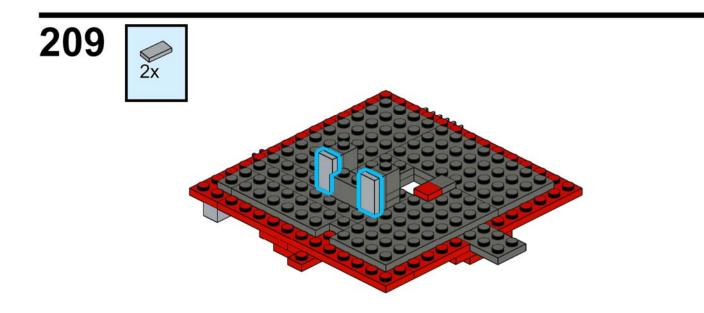


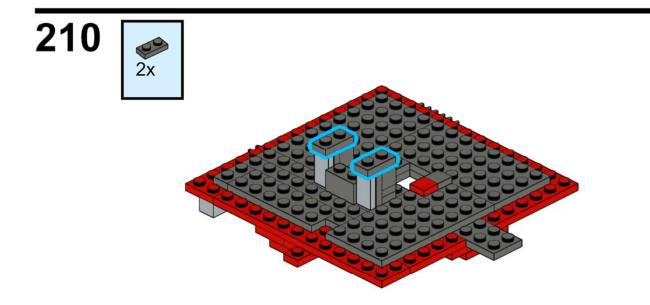


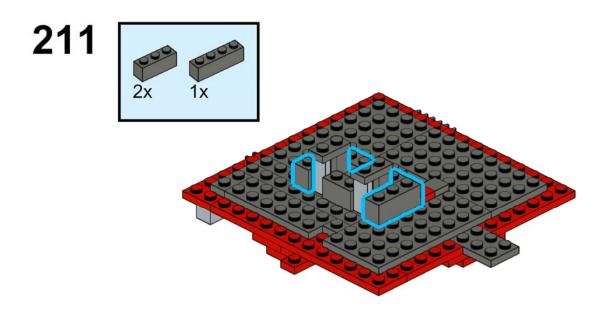


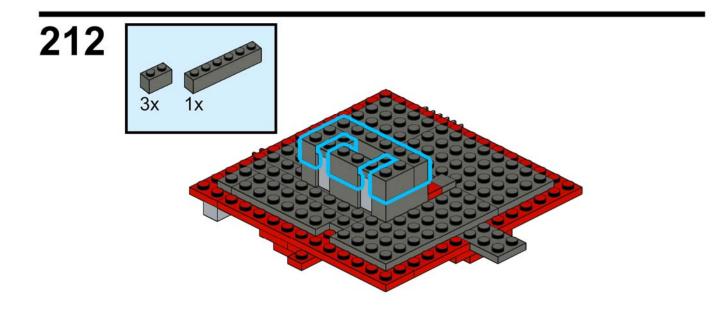


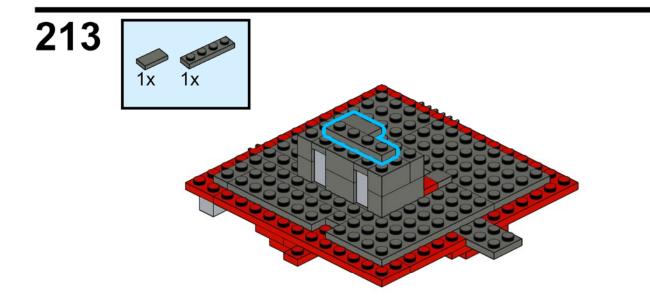


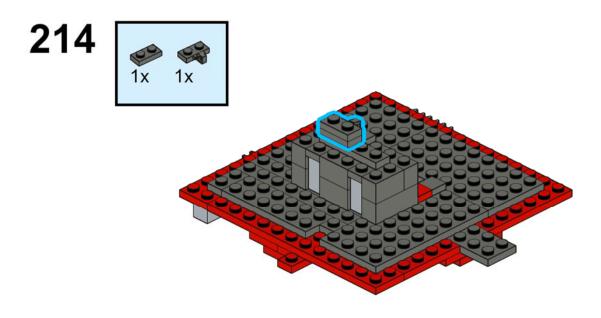


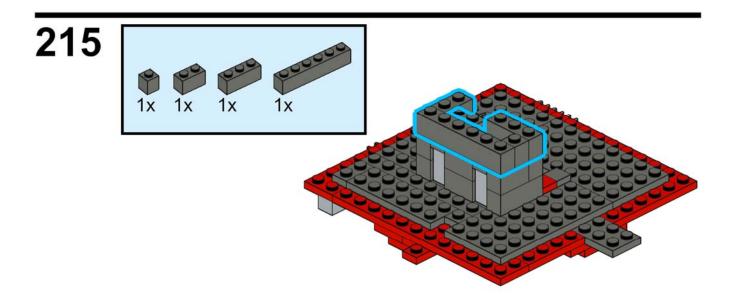


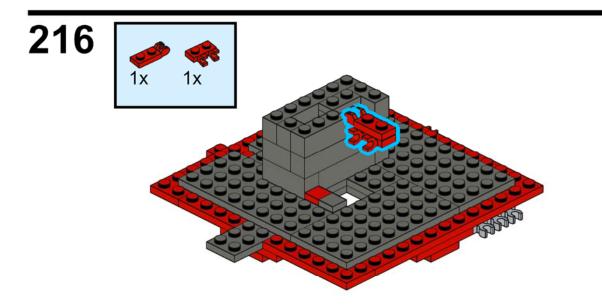


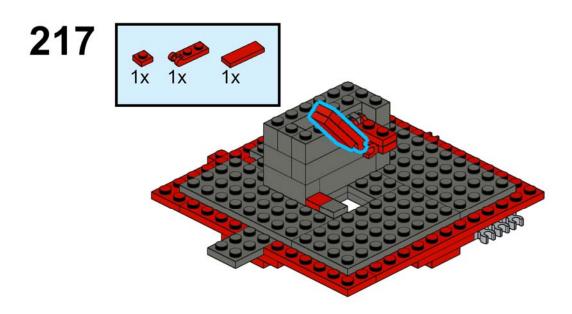


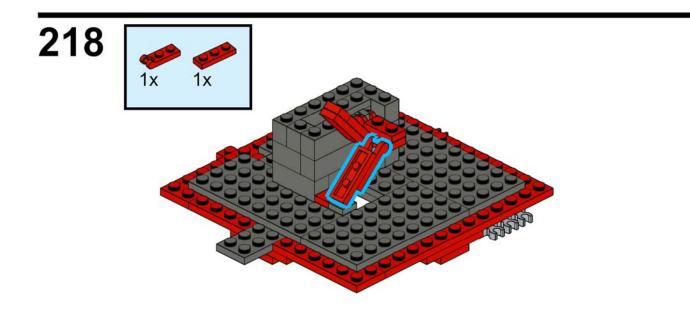


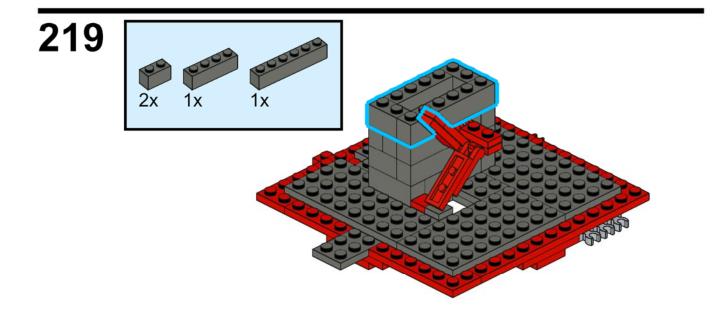


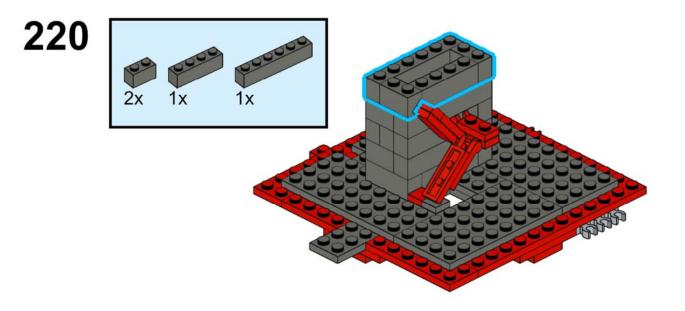


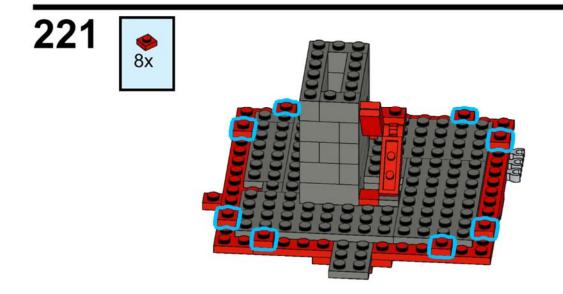




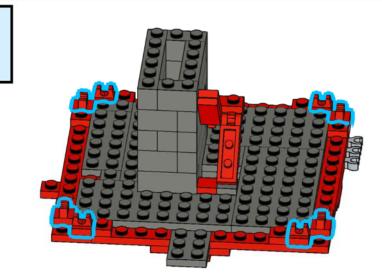


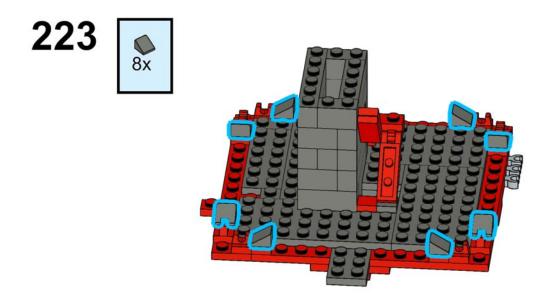


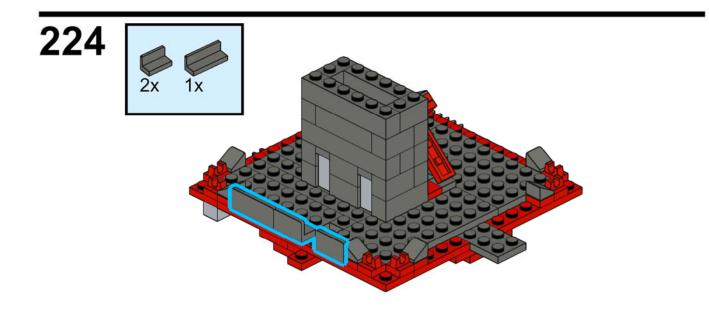


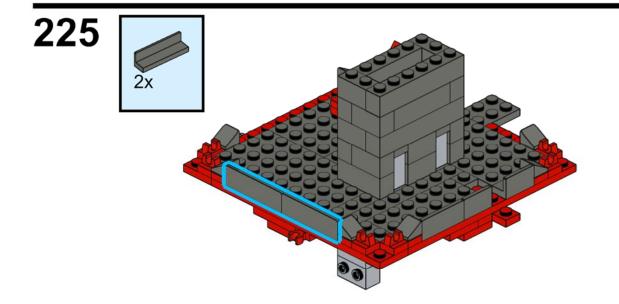


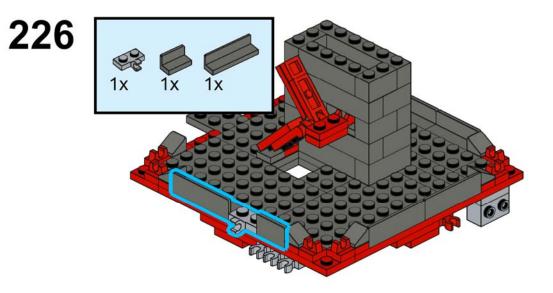


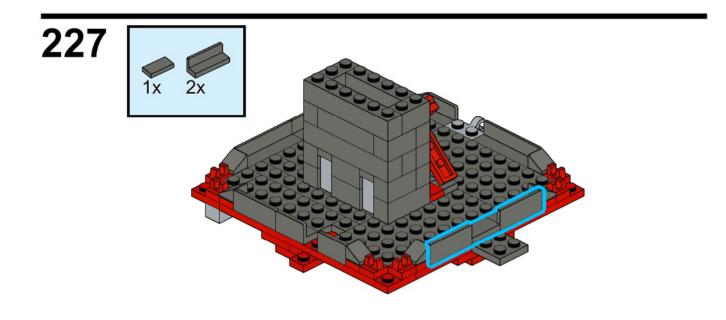


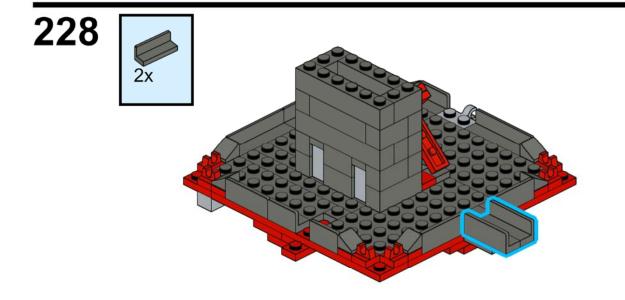


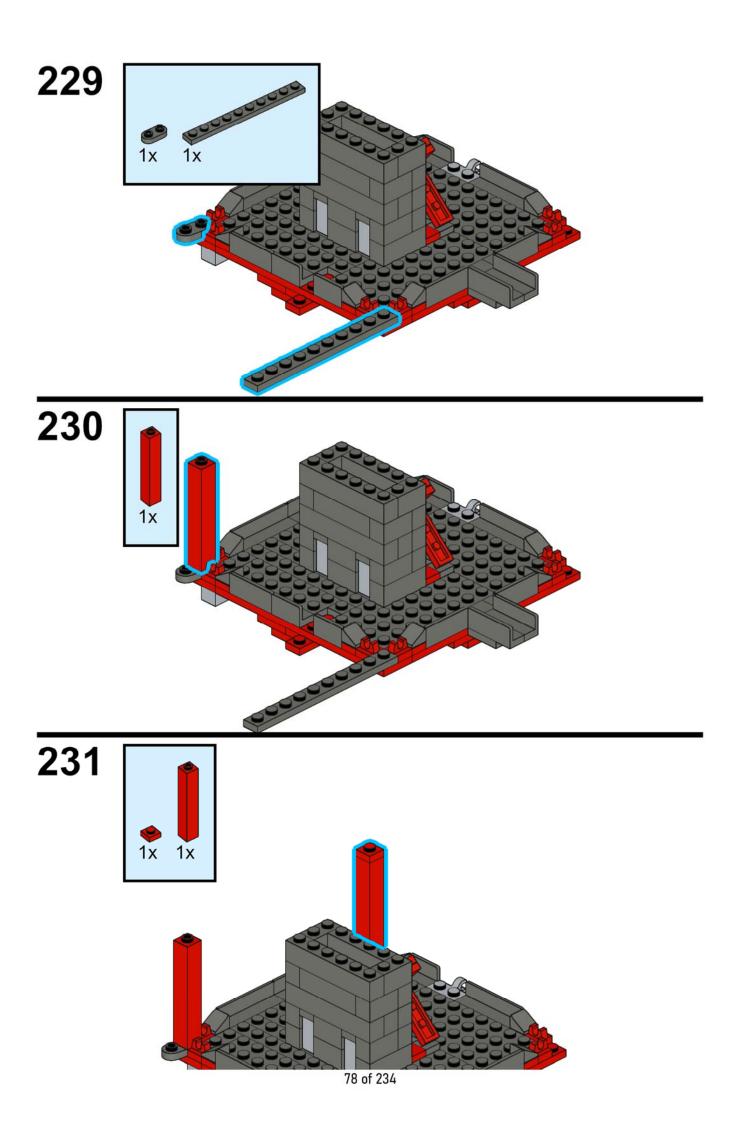


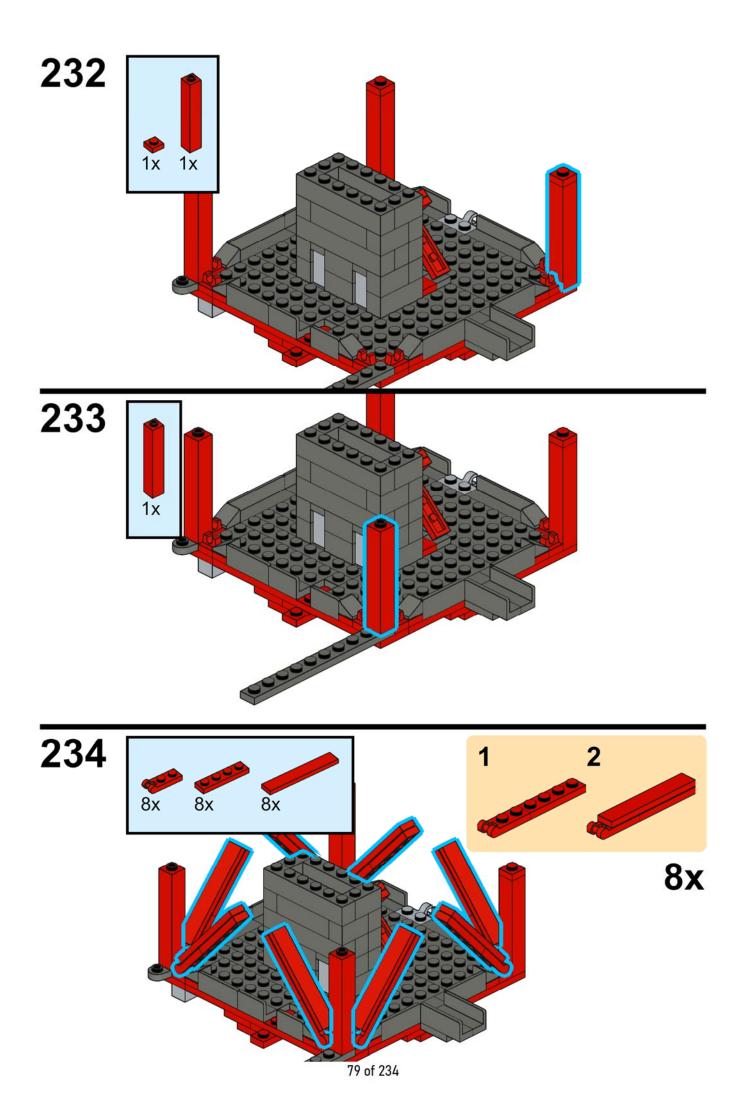


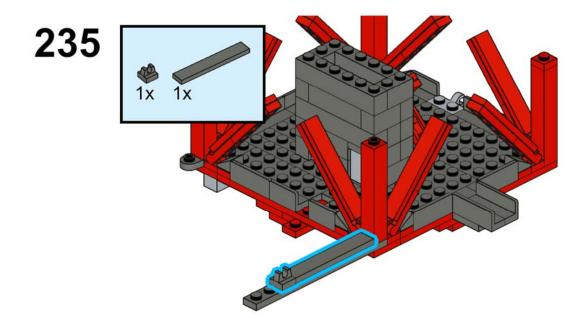


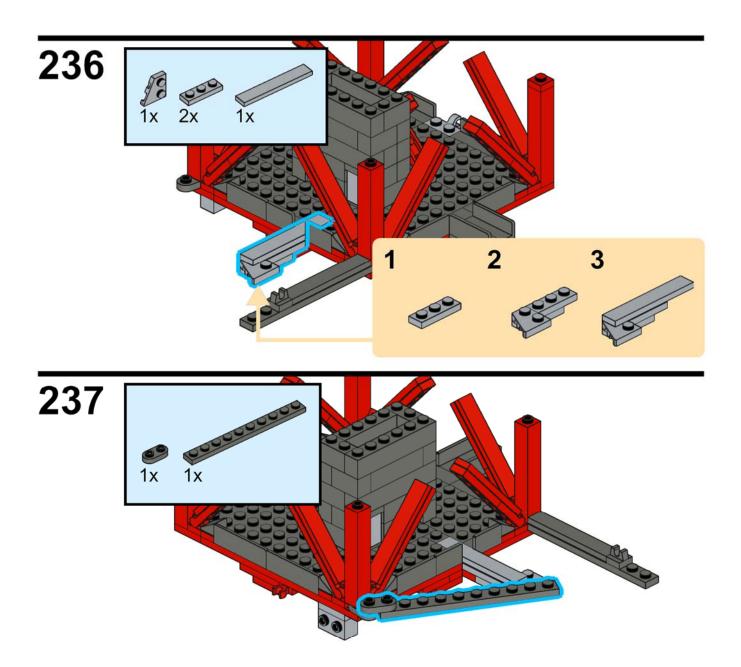


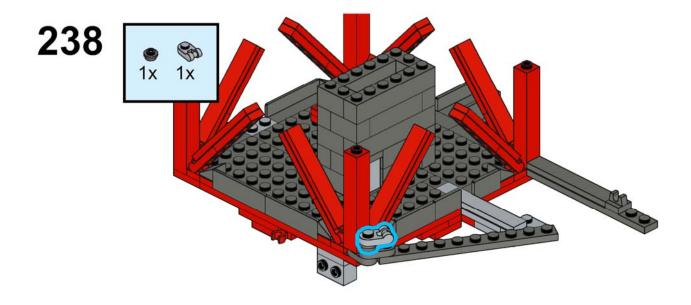


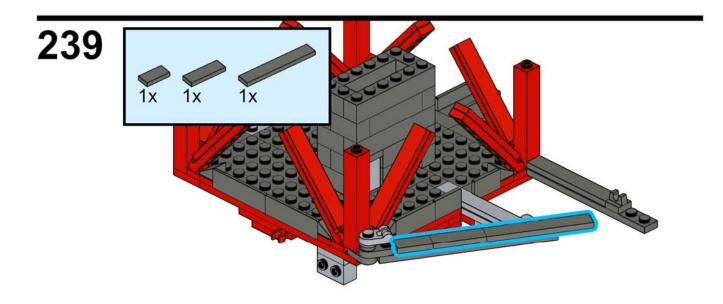


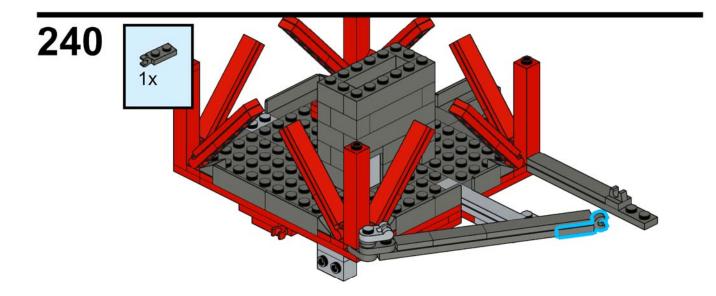


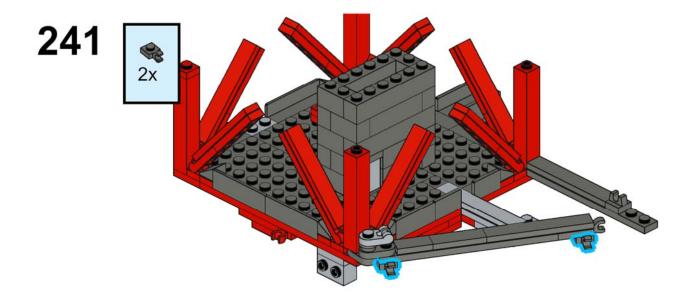


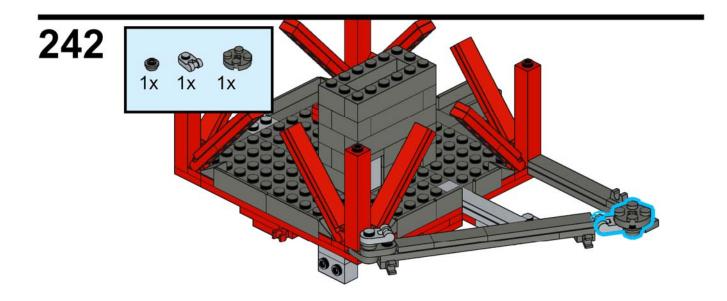


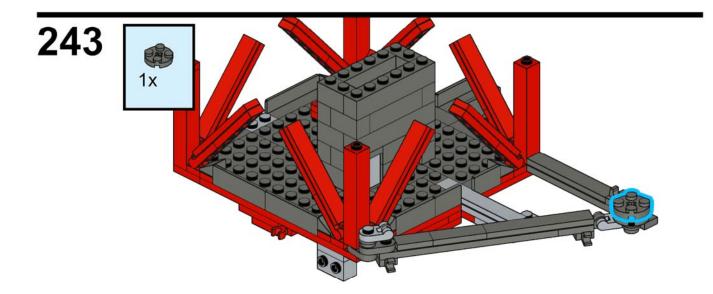


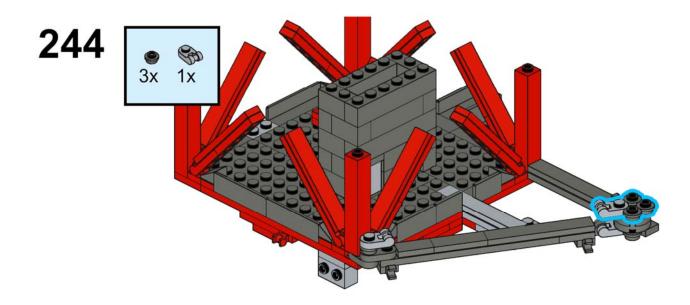


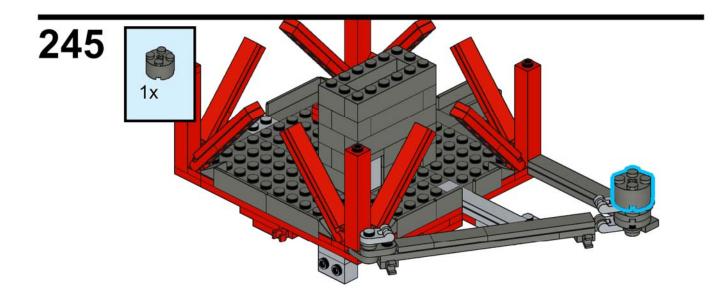


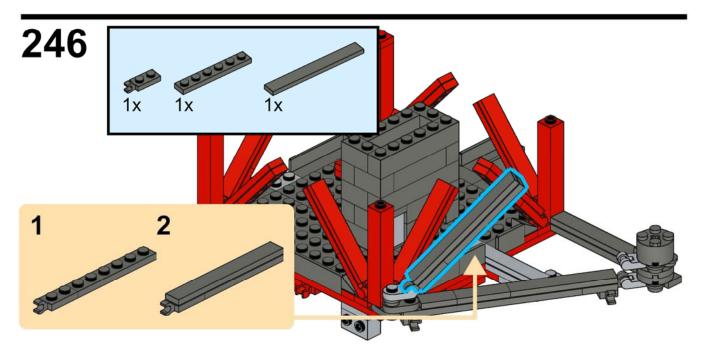


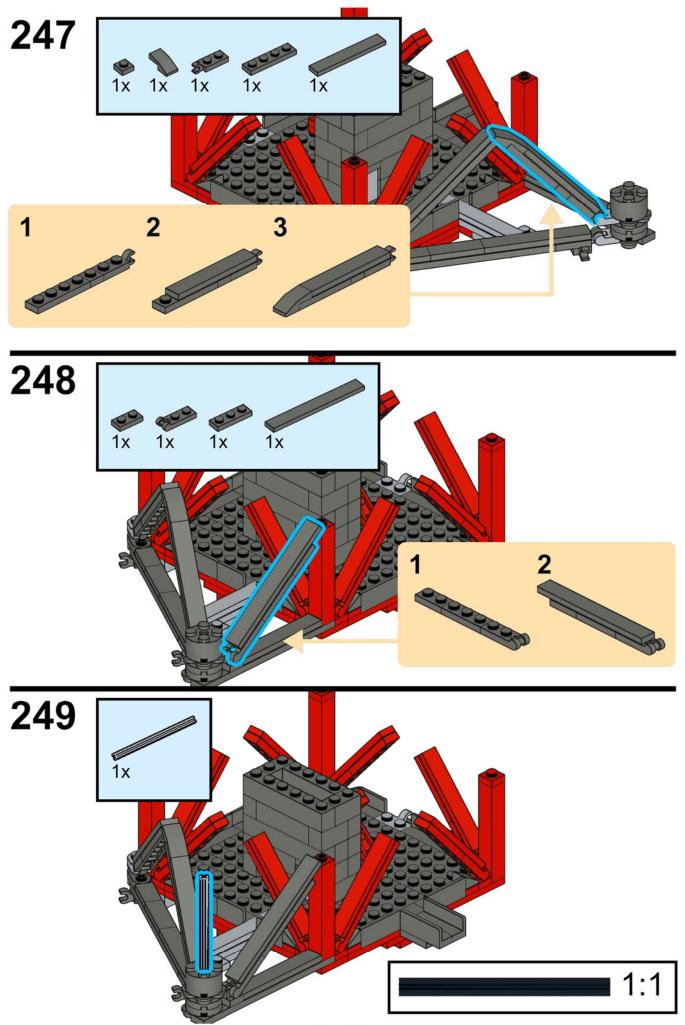


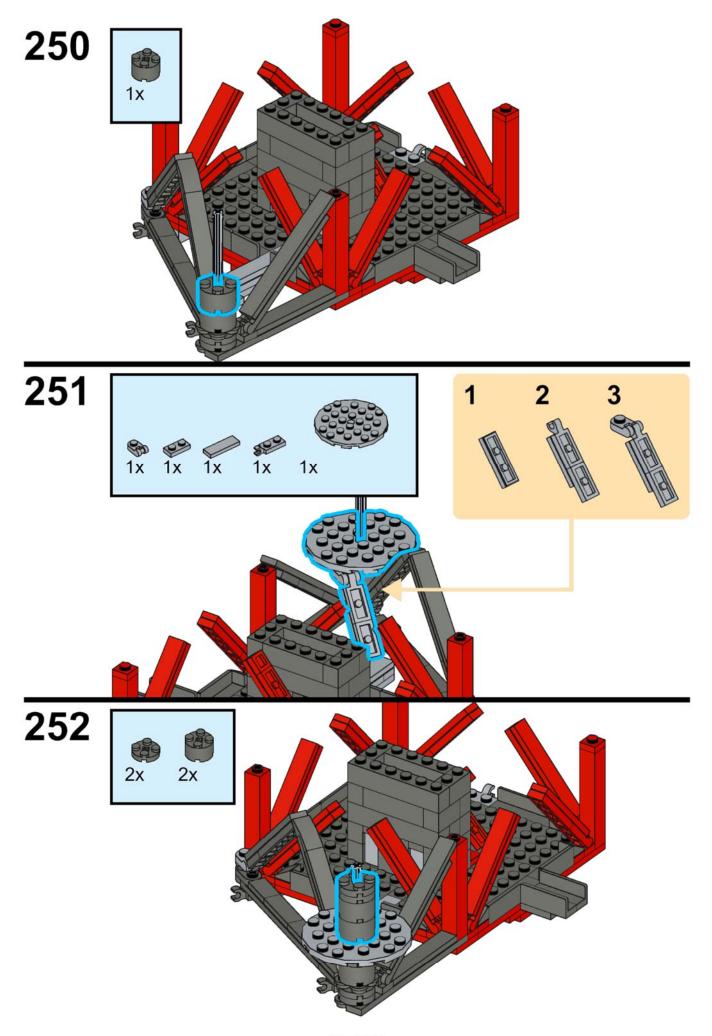


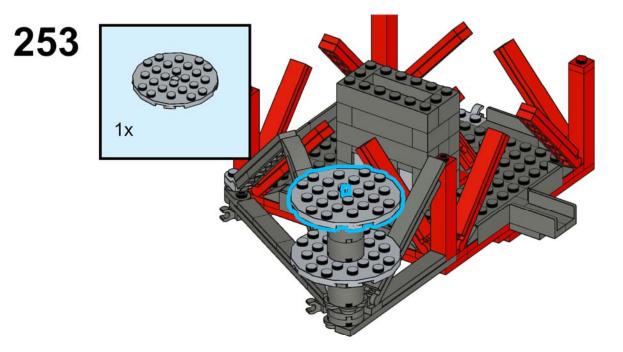


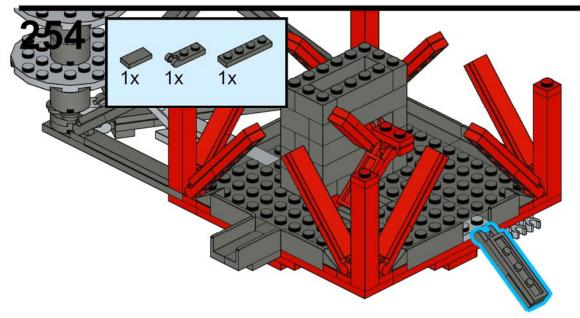




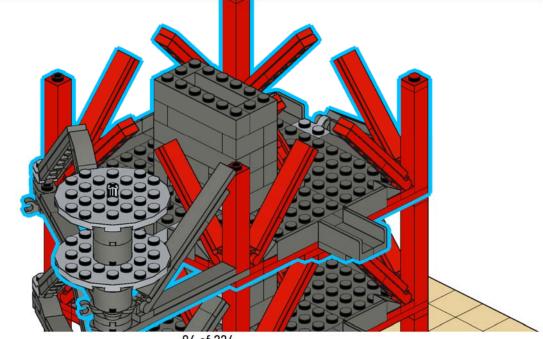


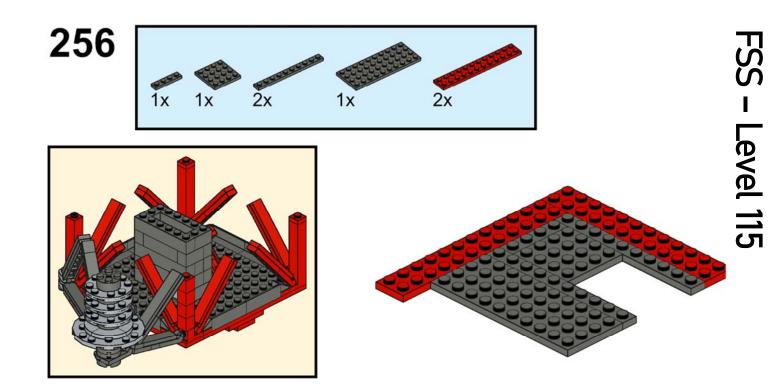


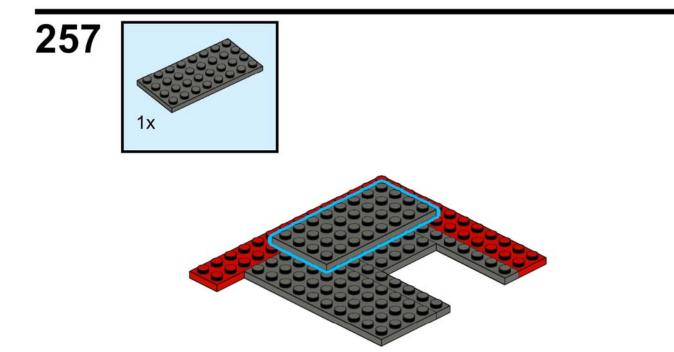


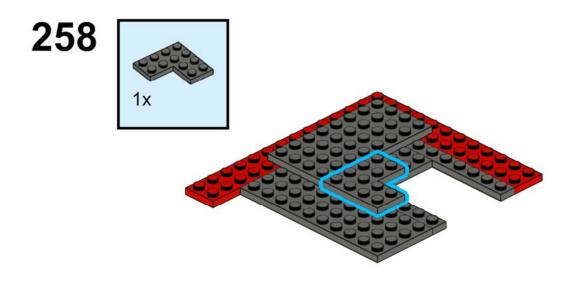


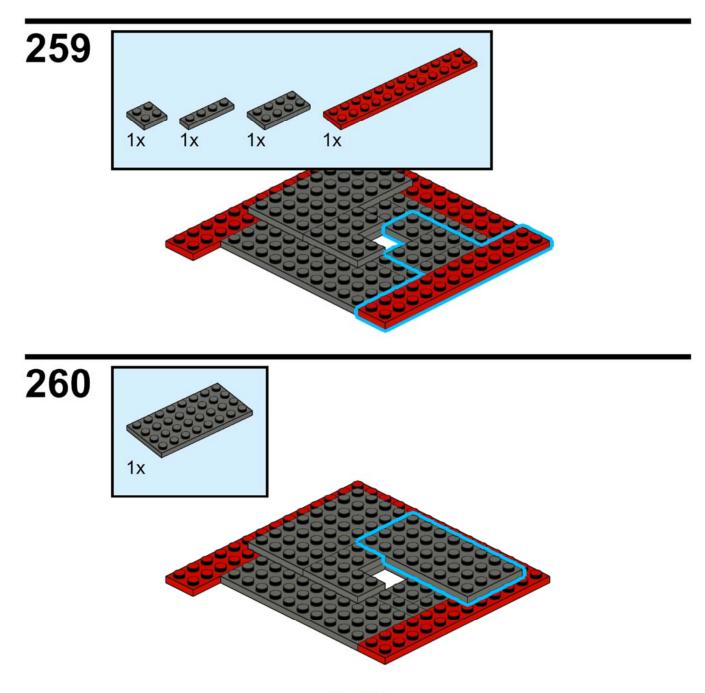
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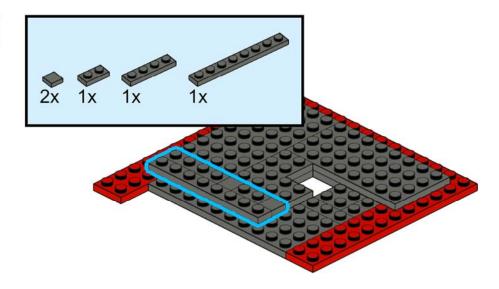


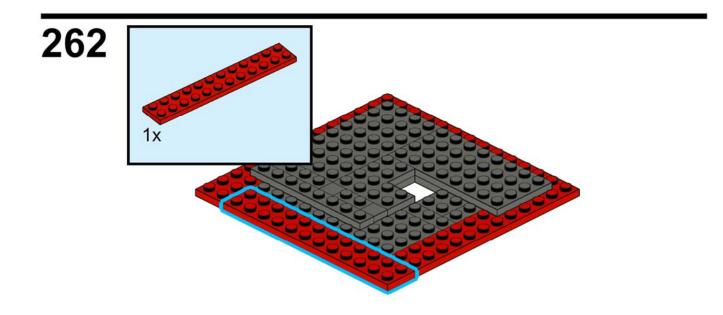


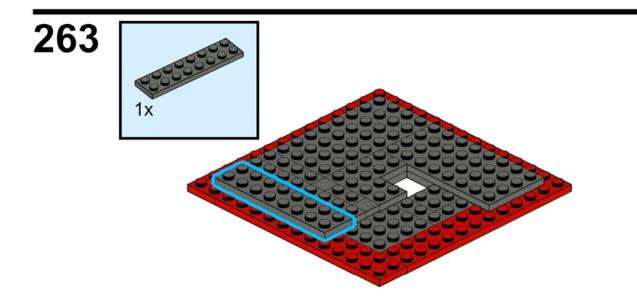


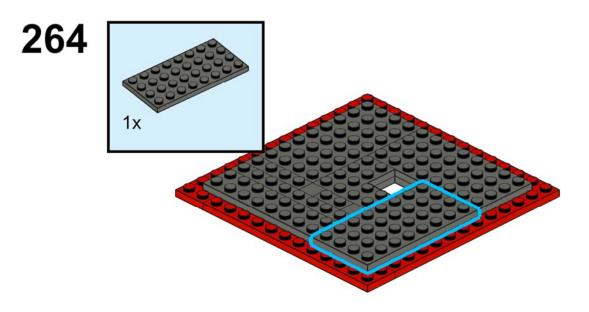


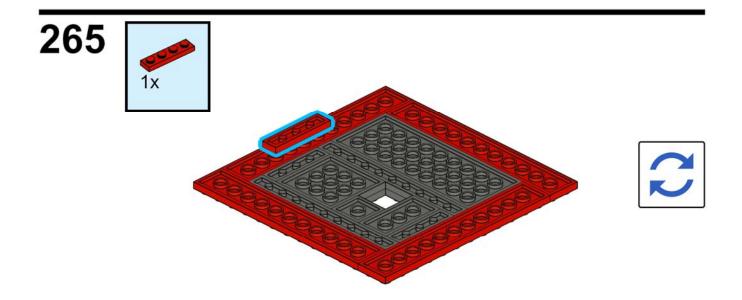
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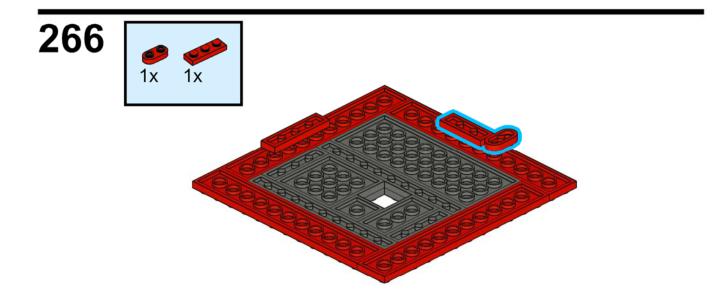


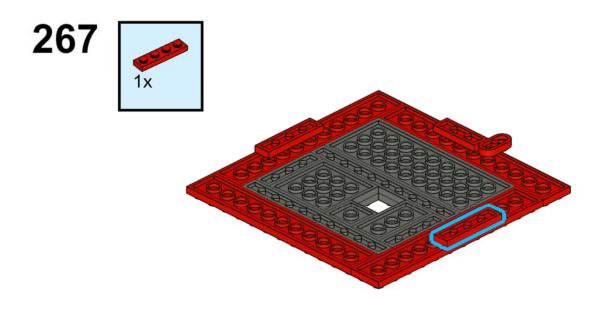


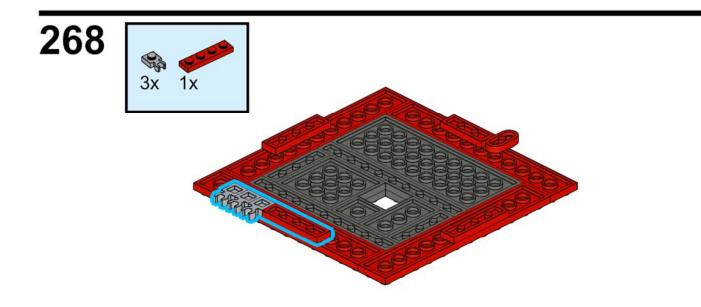


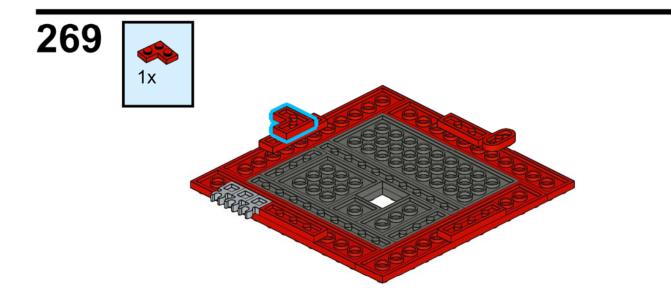


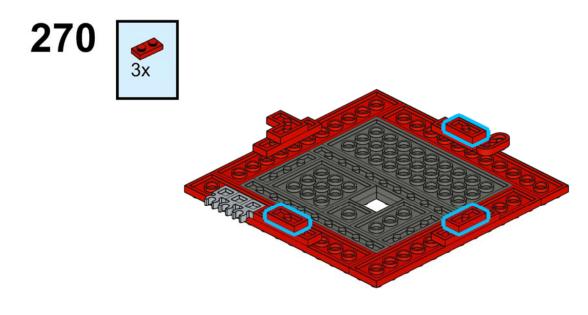


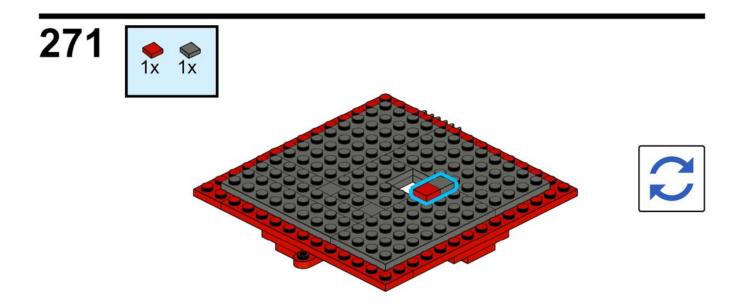


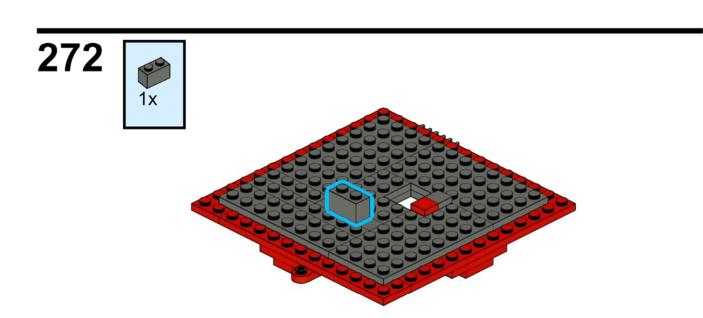


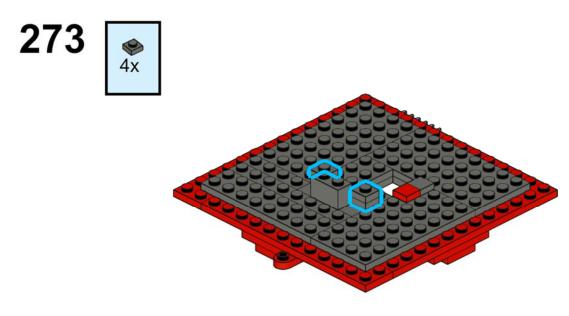


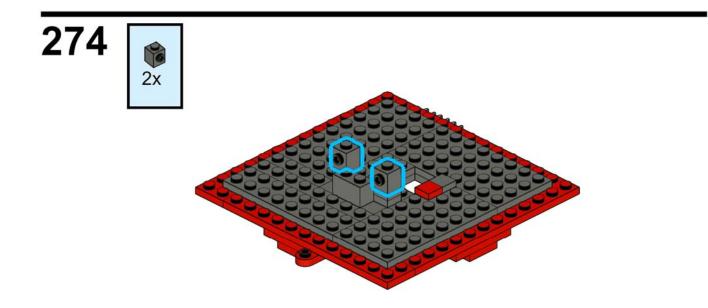


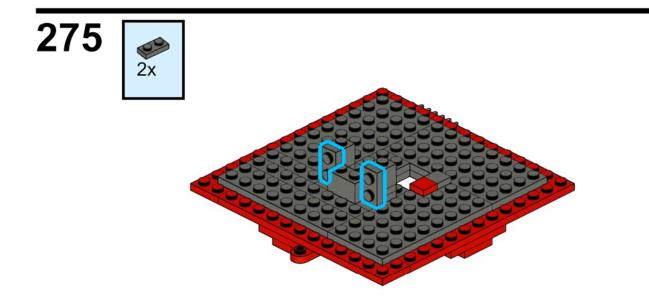


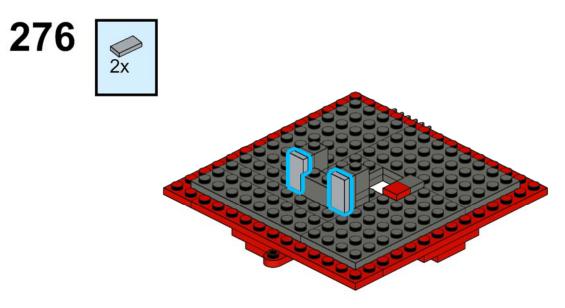


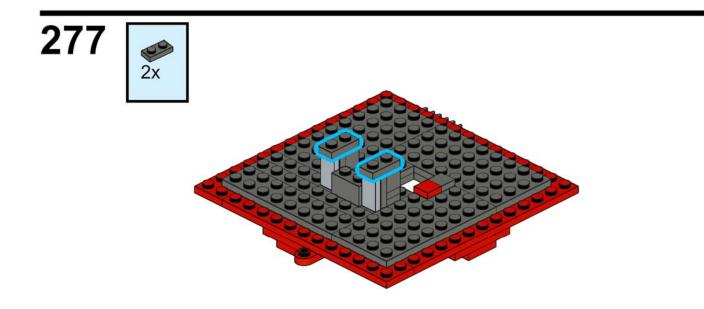


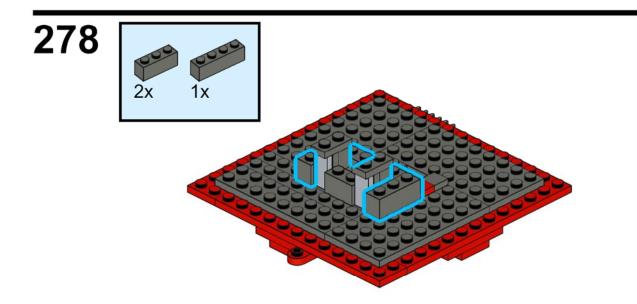


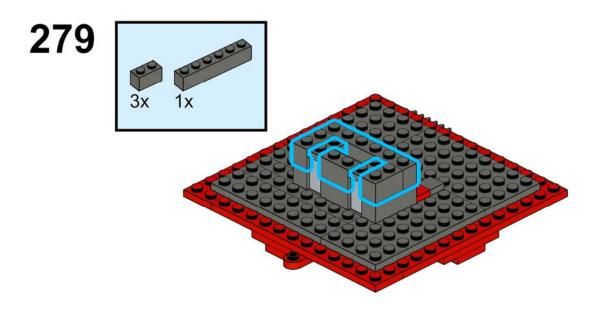


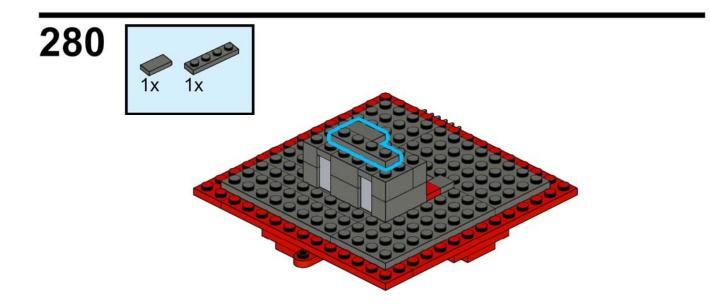


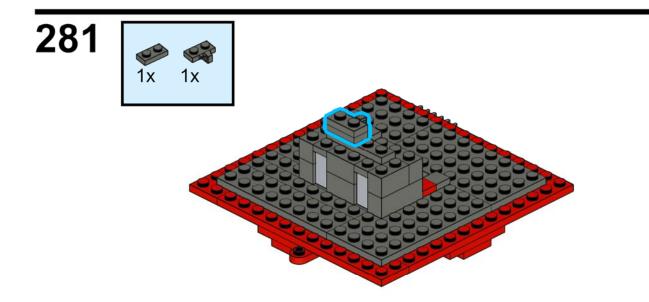


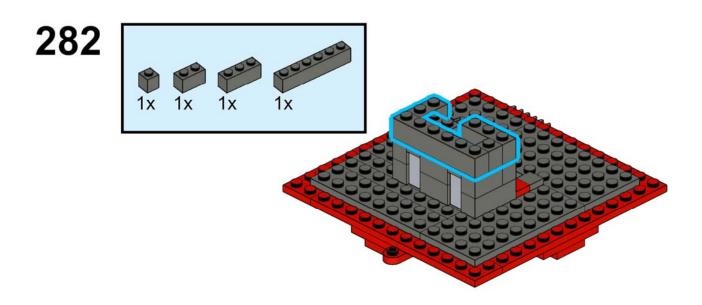


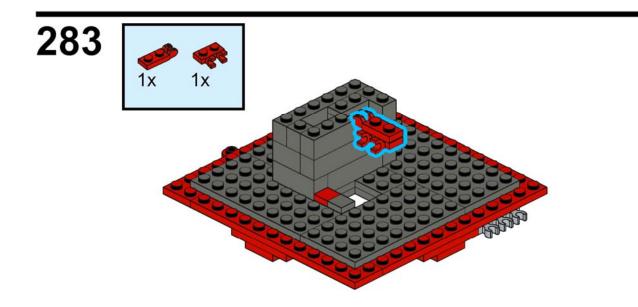


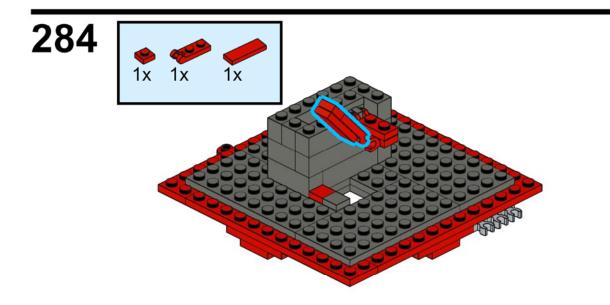


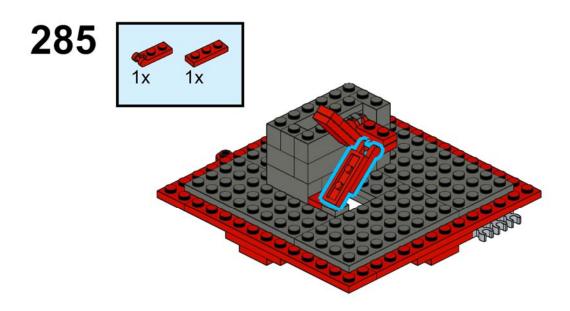


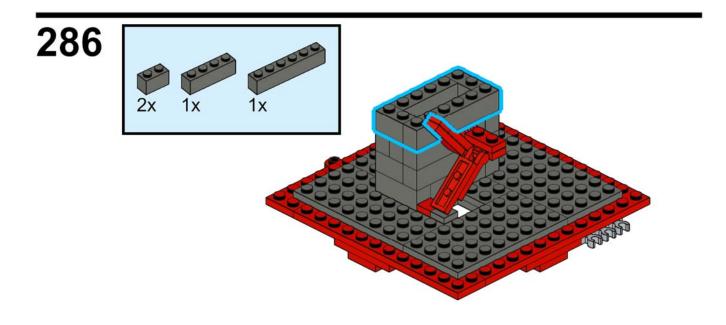


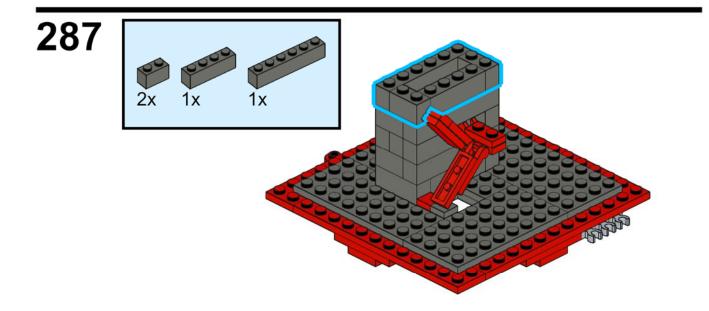


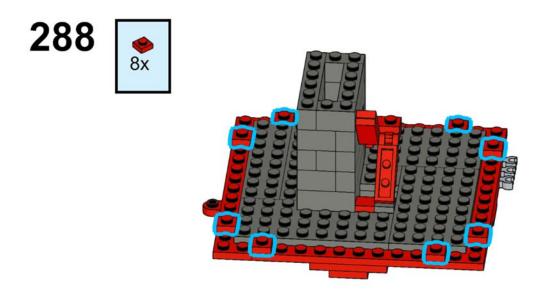


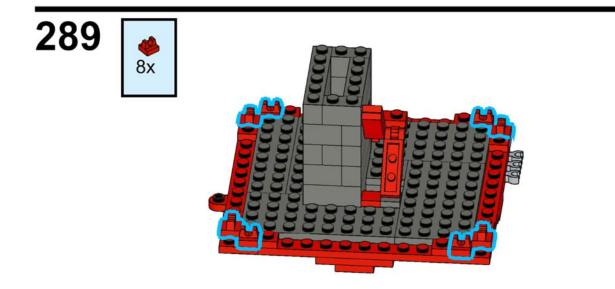


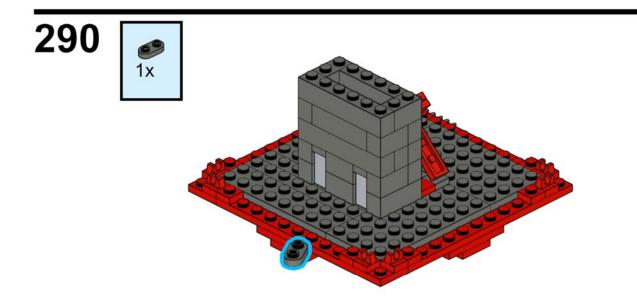


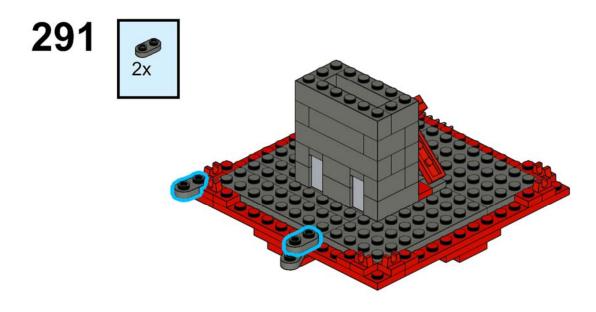


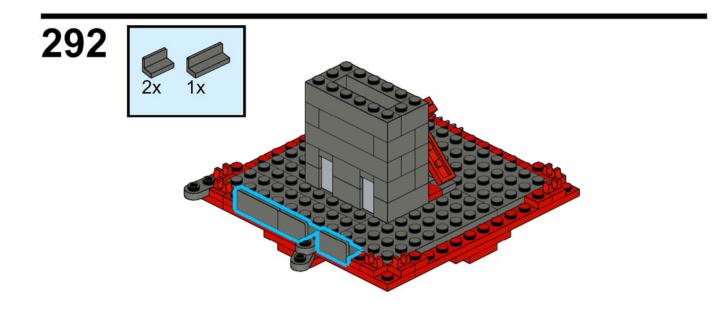


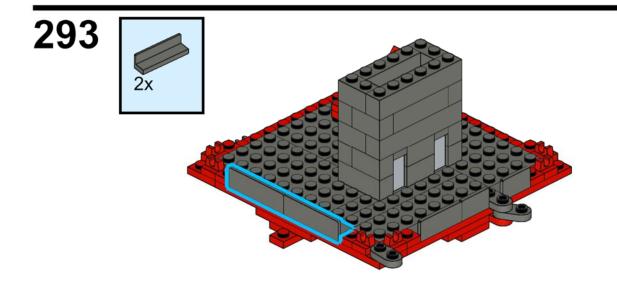


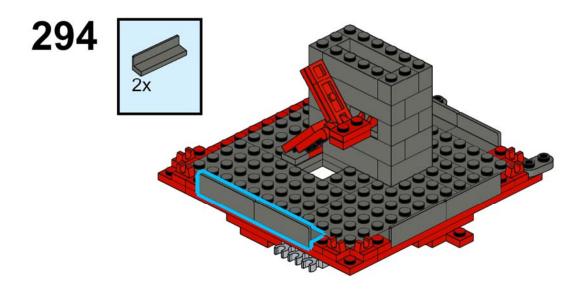


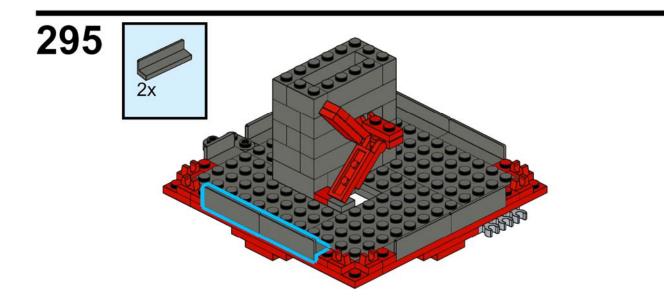


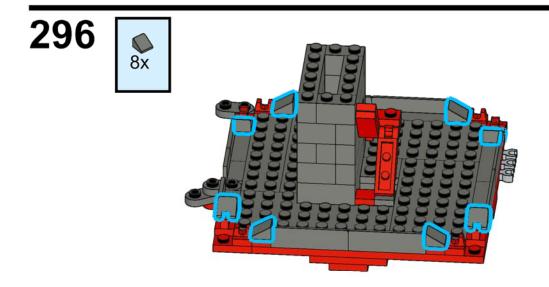


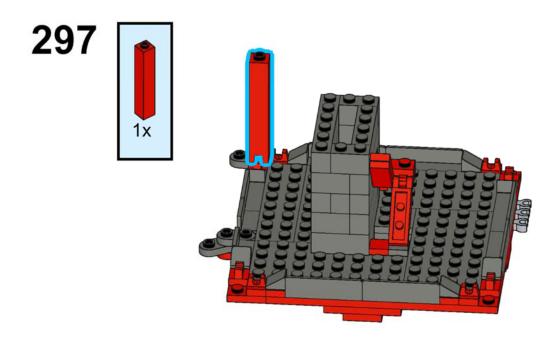


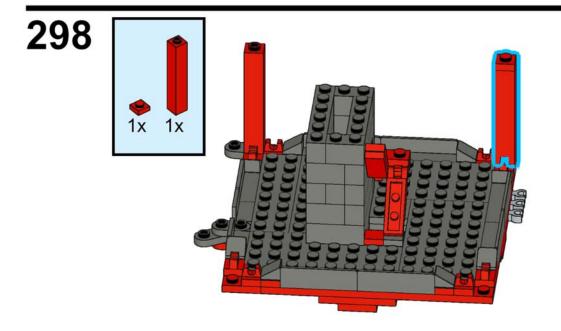


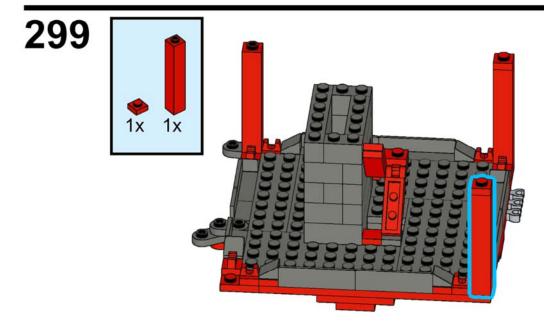


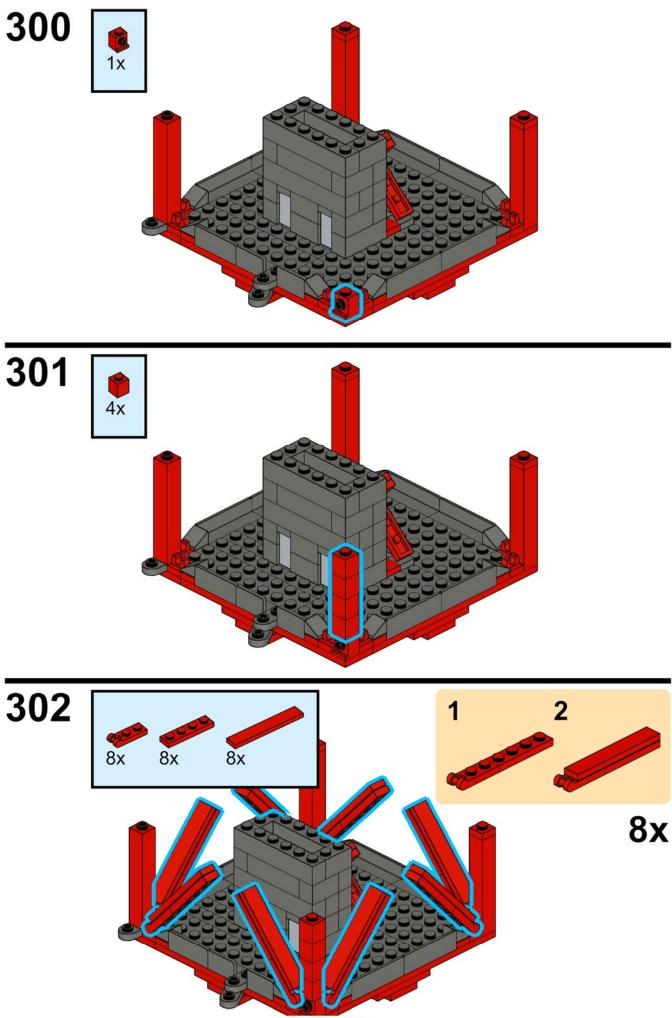




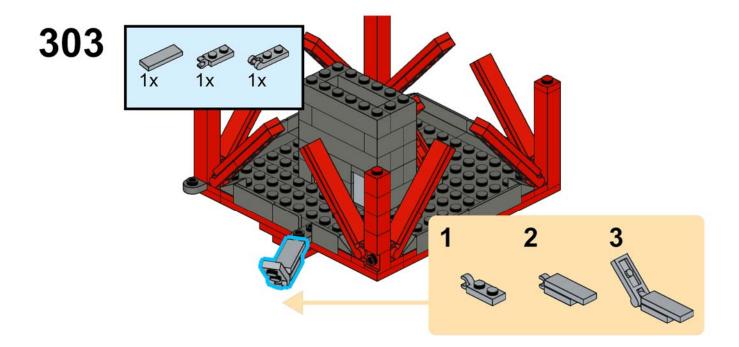


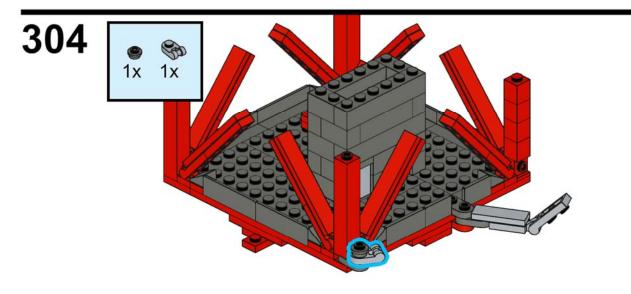


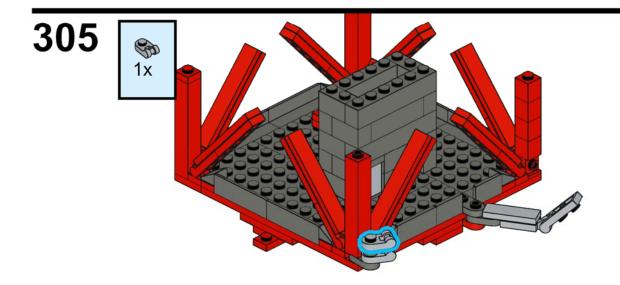


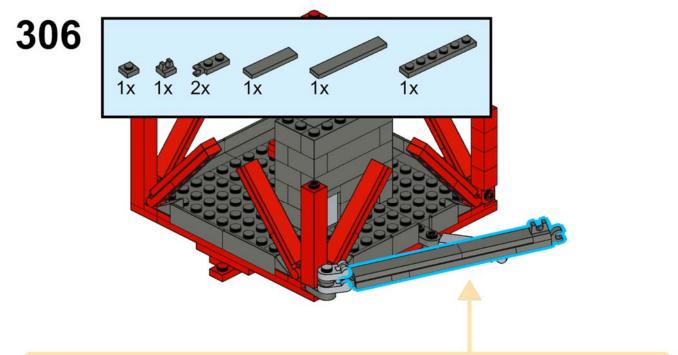


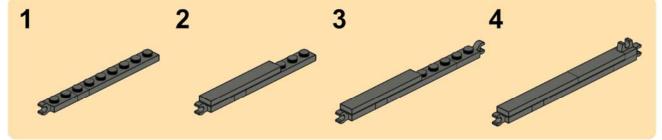
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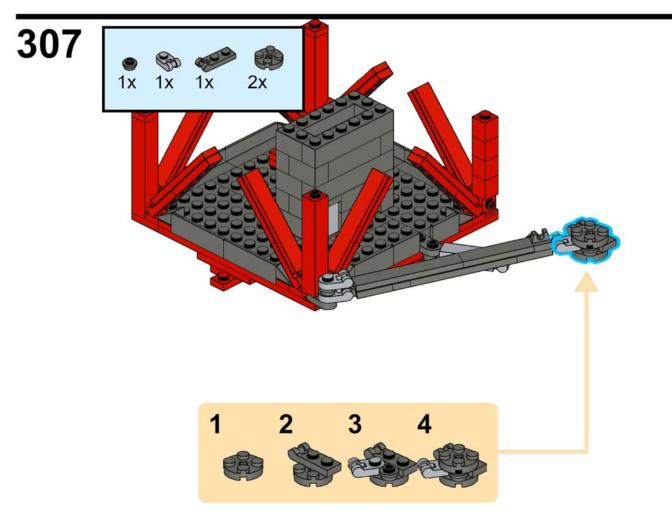


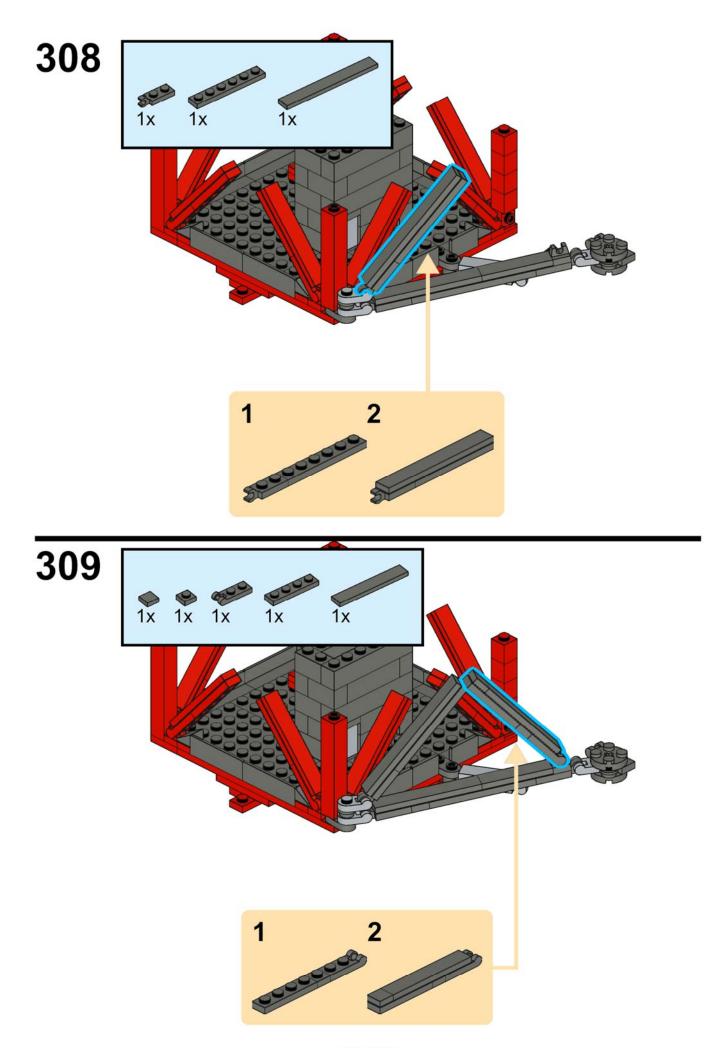


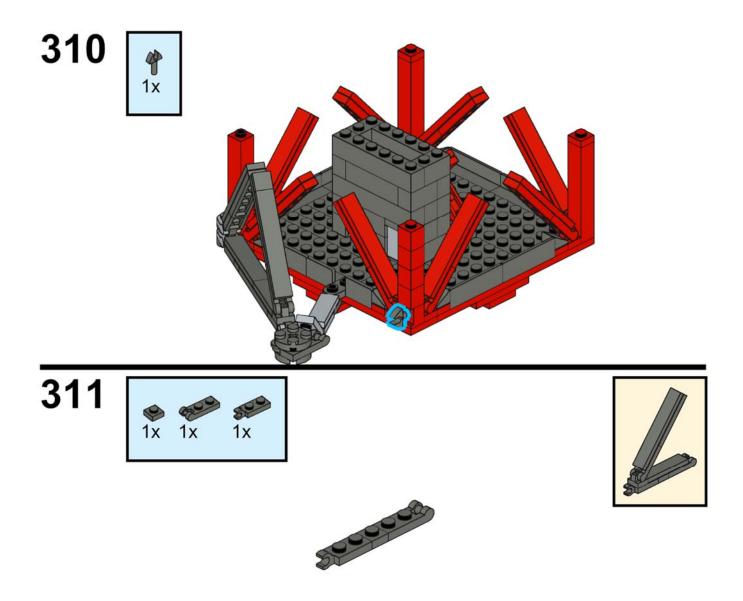


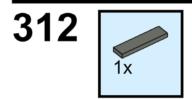


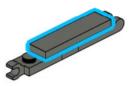


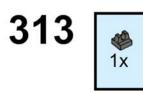


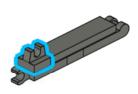




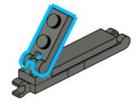


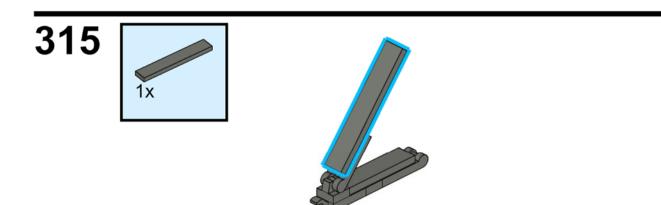


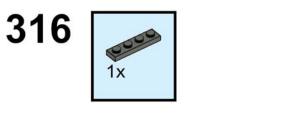


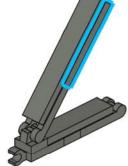


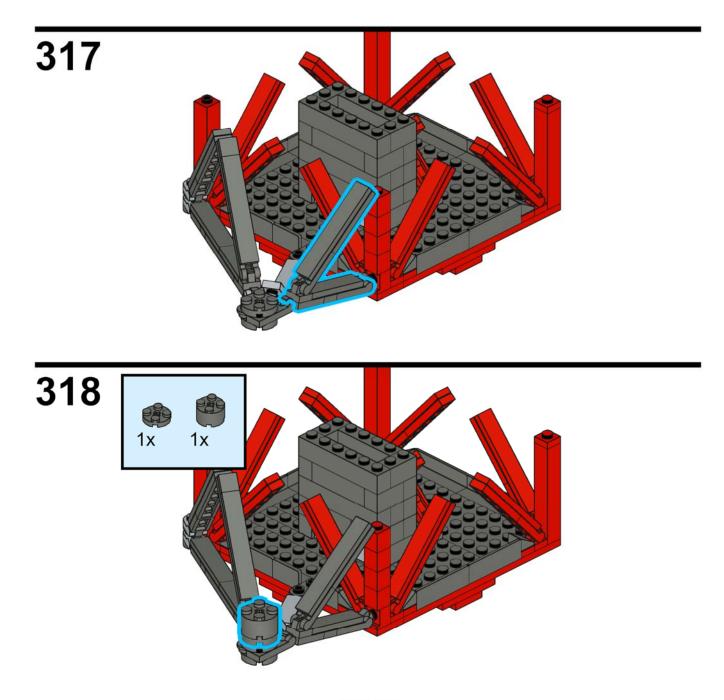


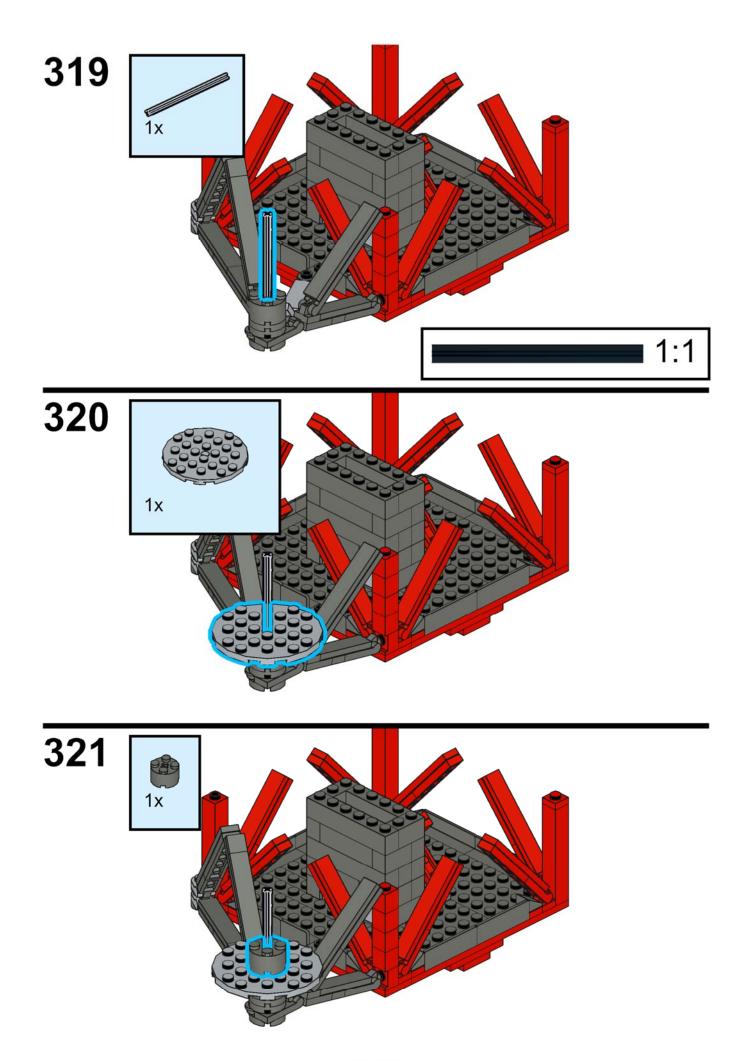


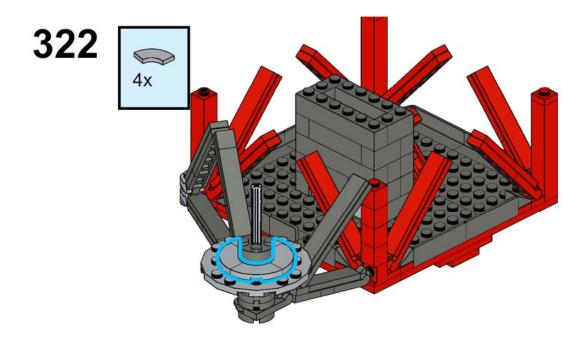


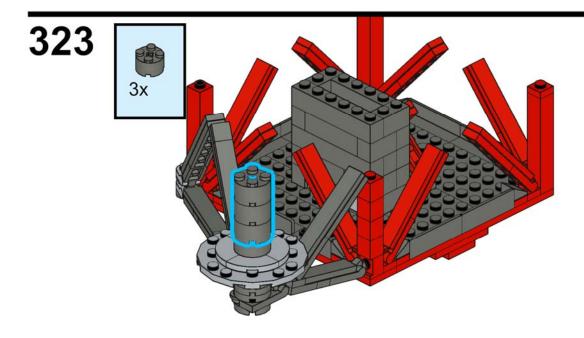






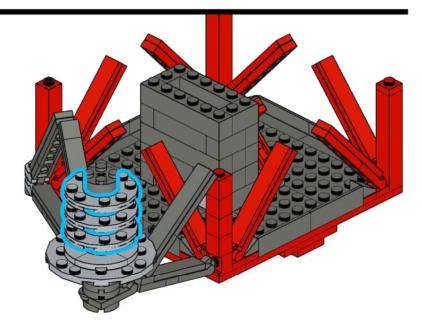


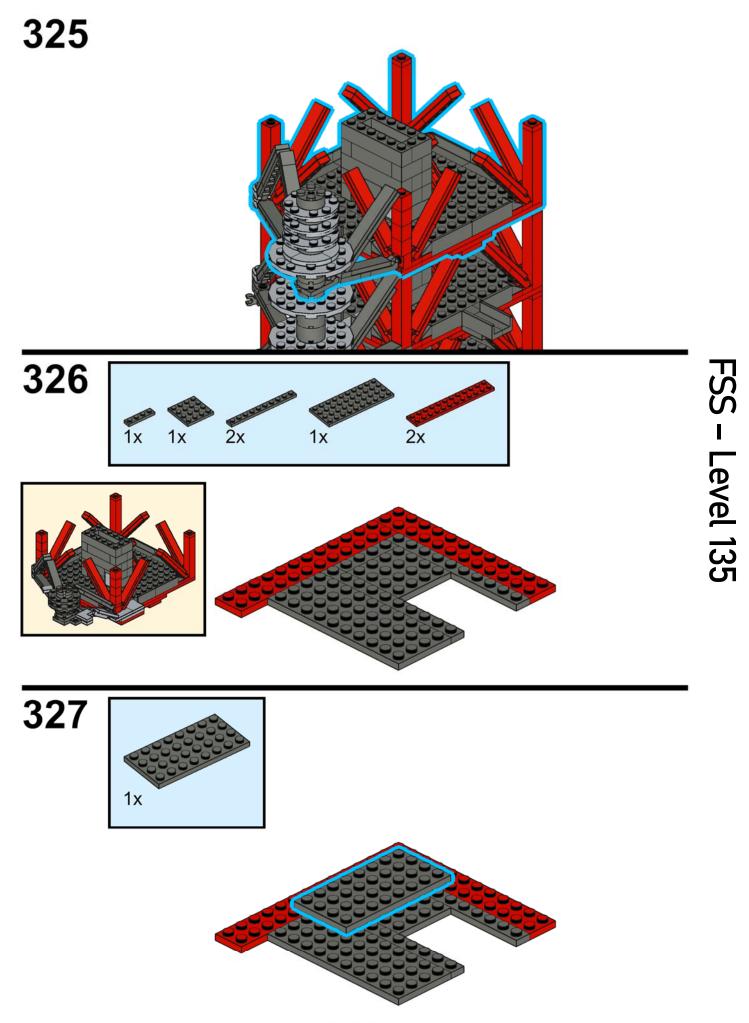


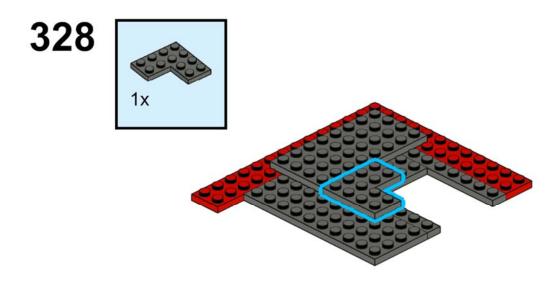


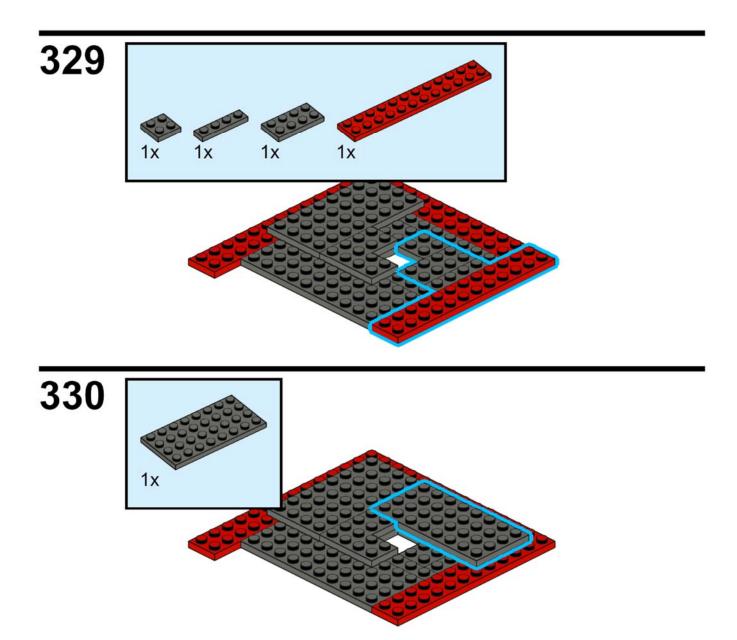


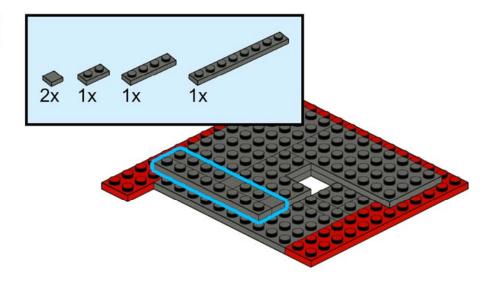
These three rings are from the Rotating Service Structure's lower hinge. Leave them unconected around the hinge column at this step.

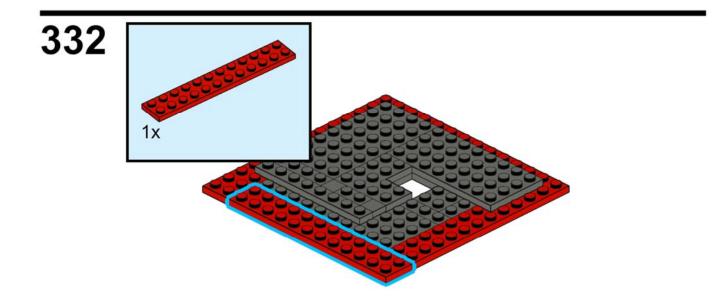


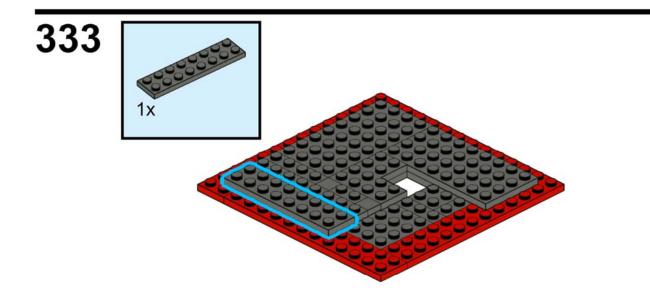


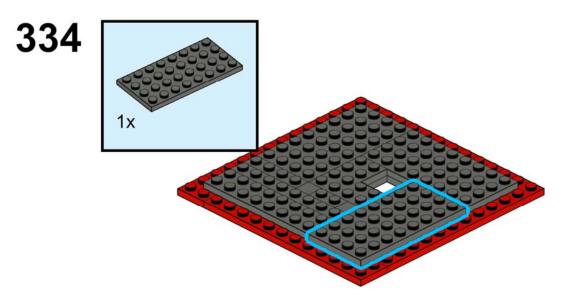


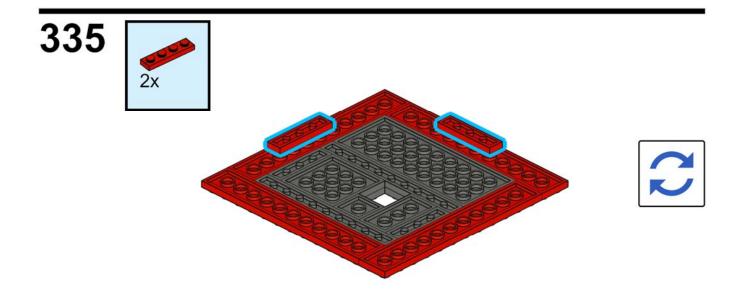


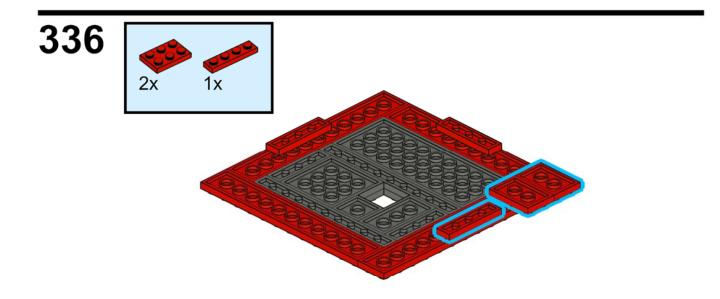


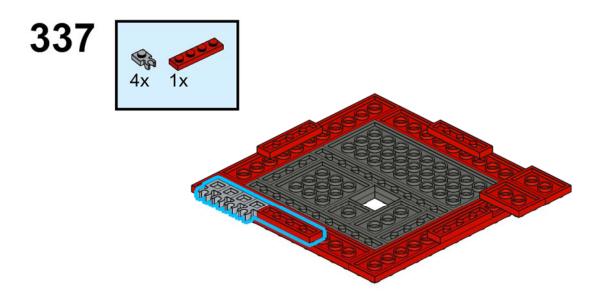


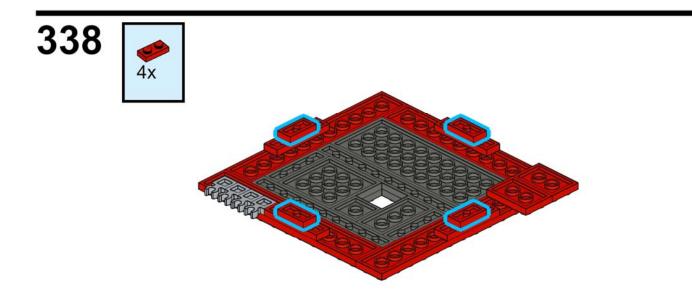


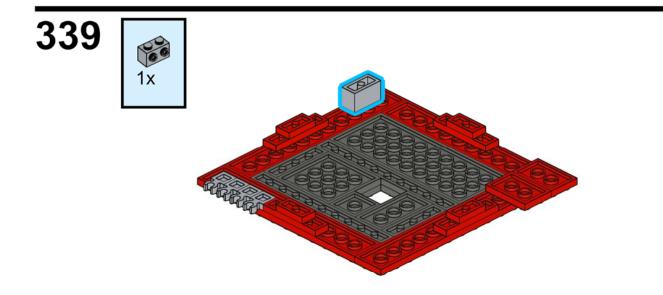


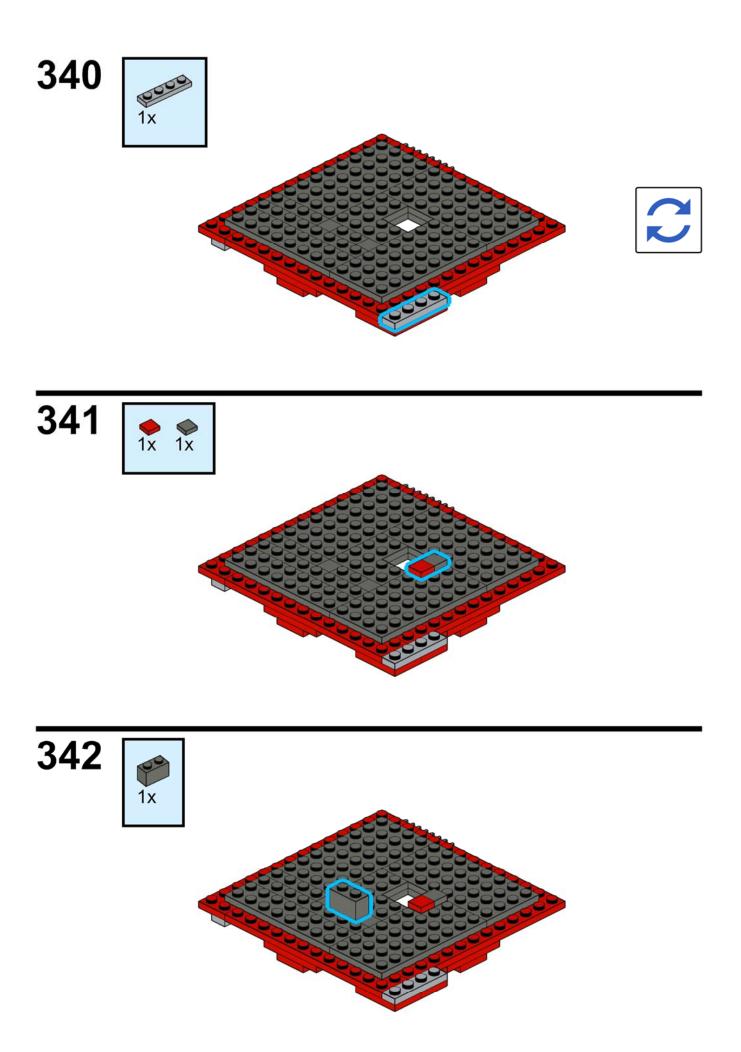


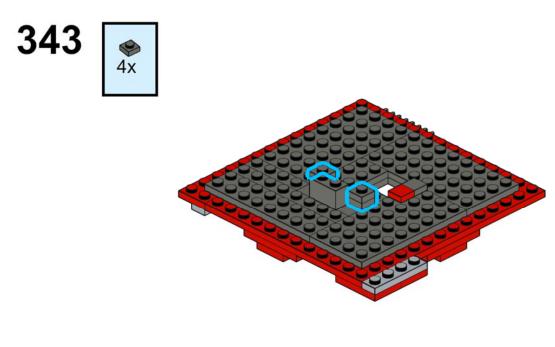


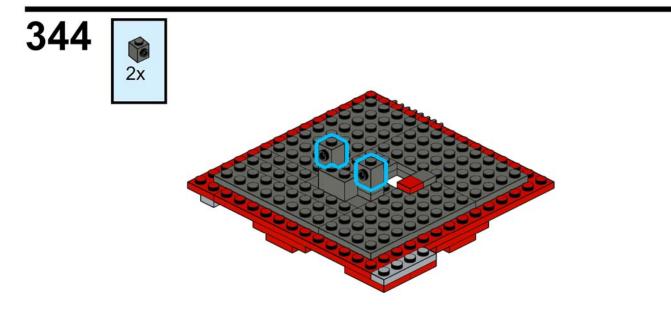


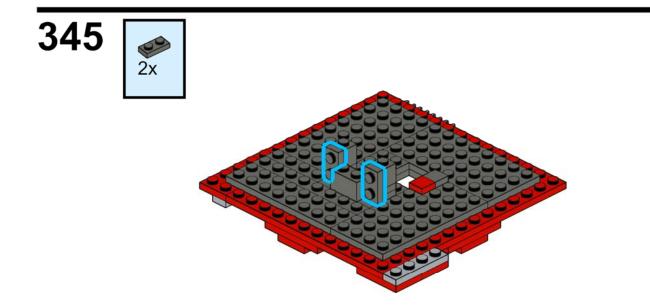


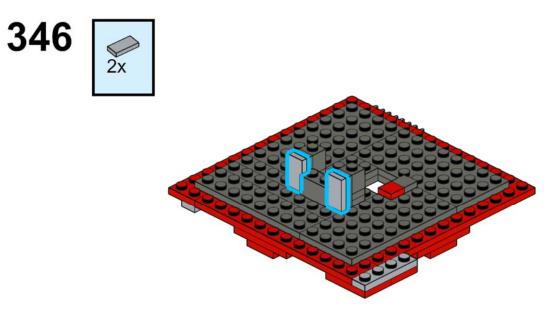


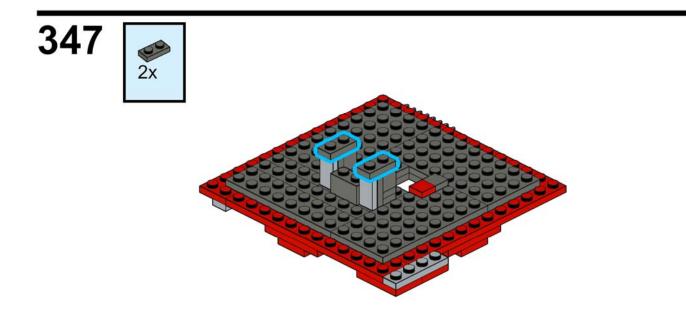


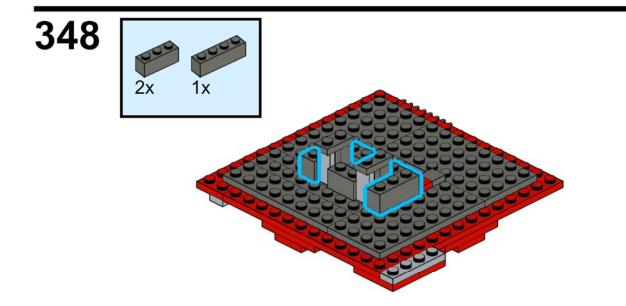


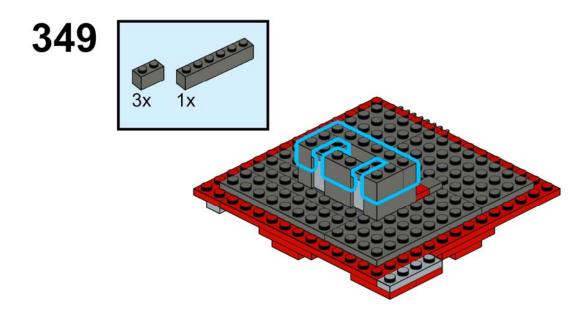


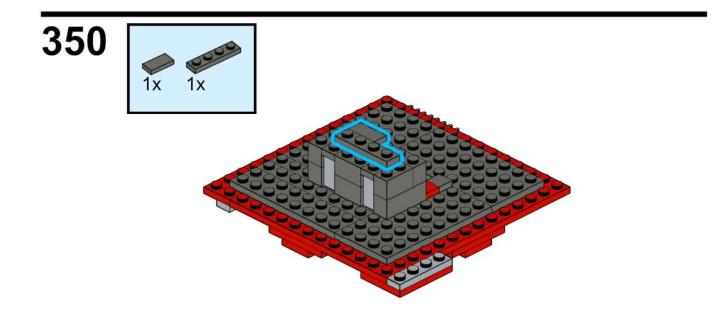


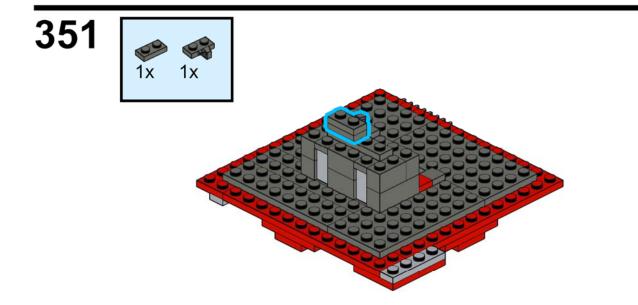


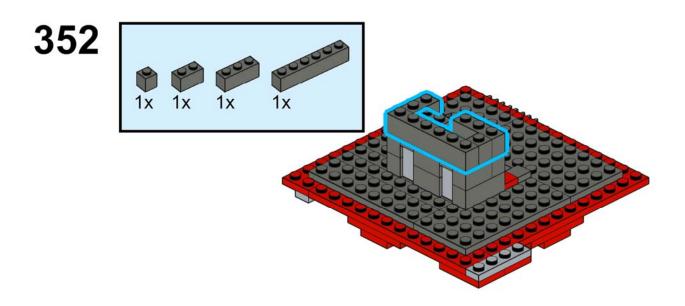


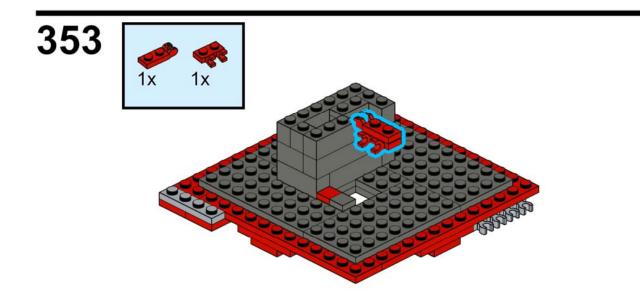


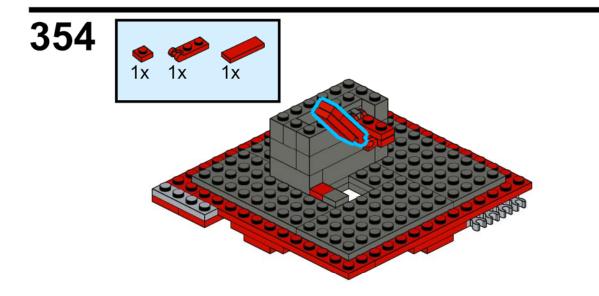


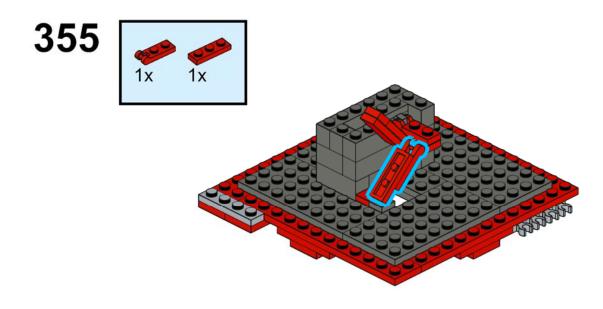


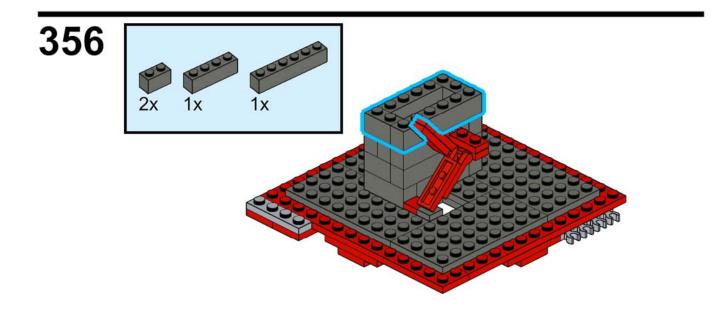


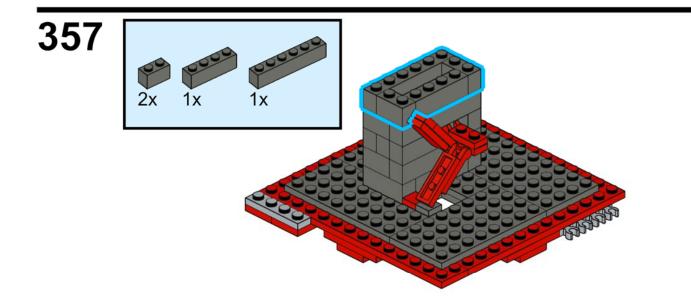




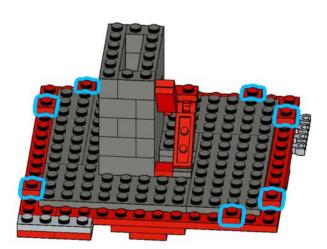


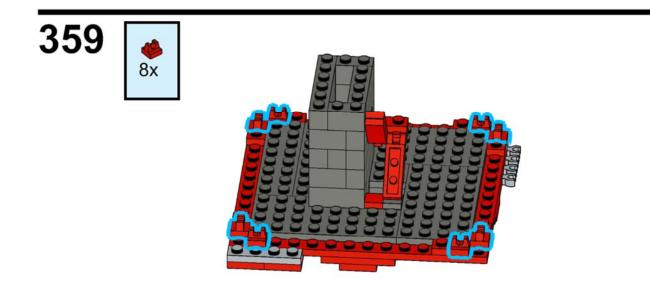


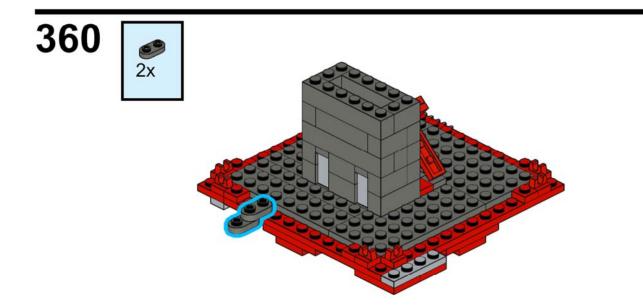


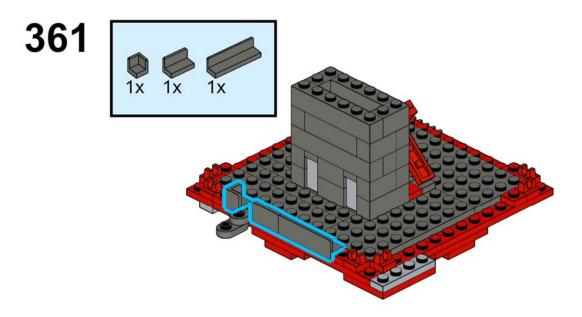


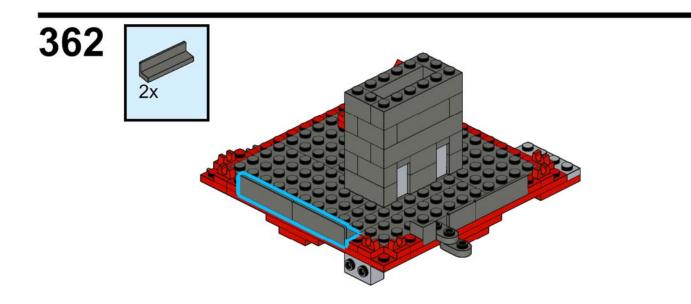


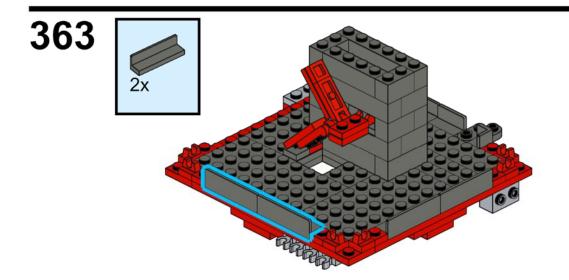


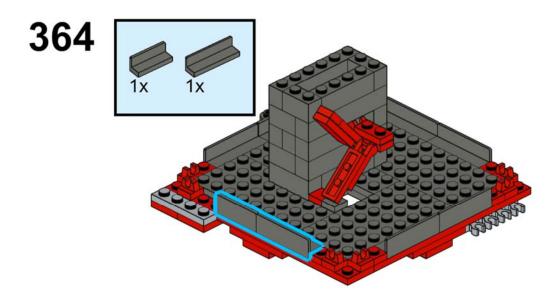


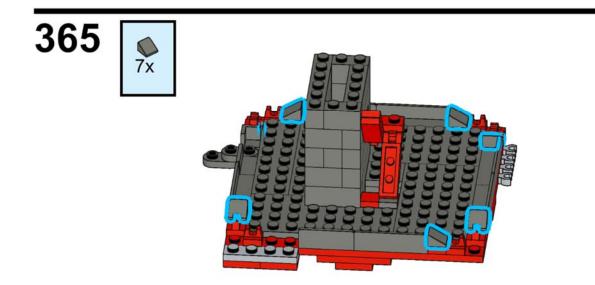


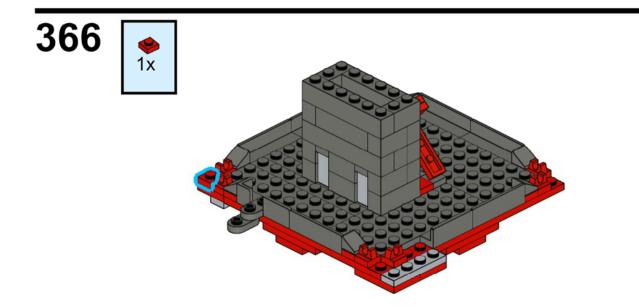


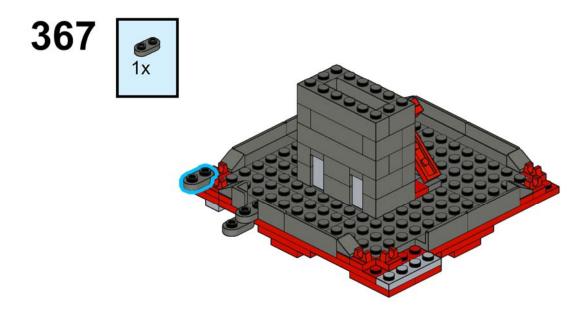


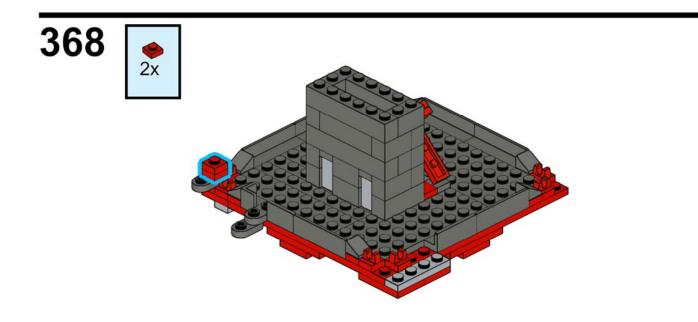


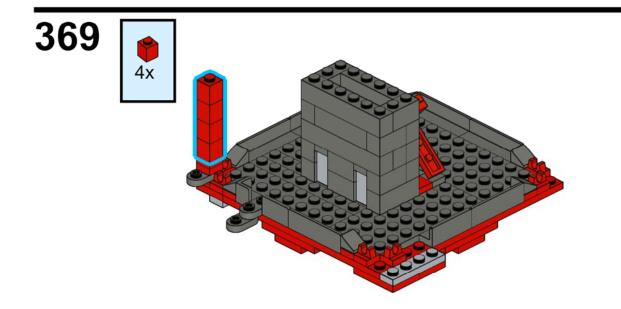


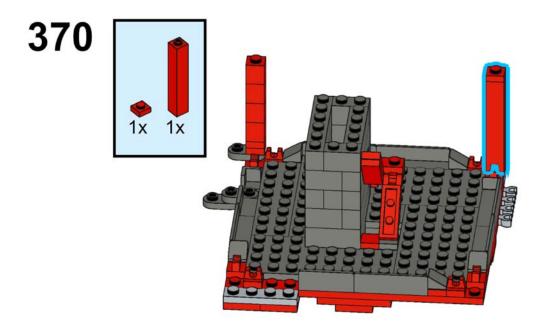


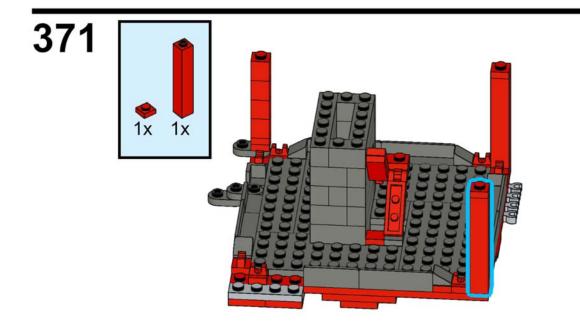


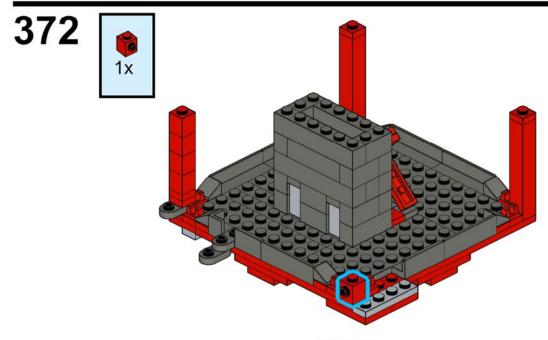




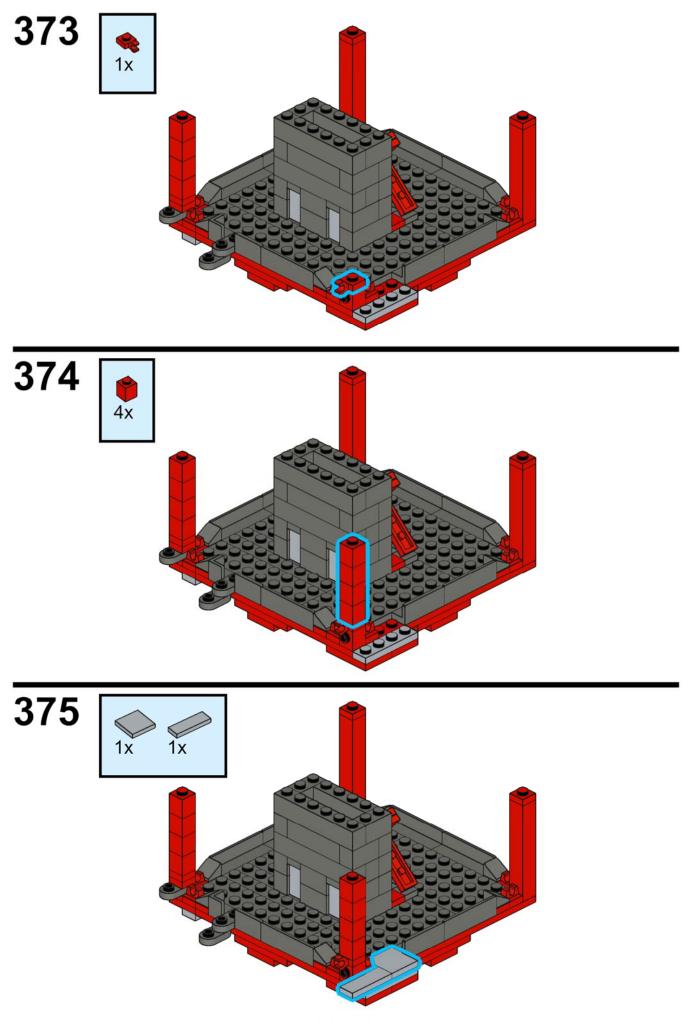




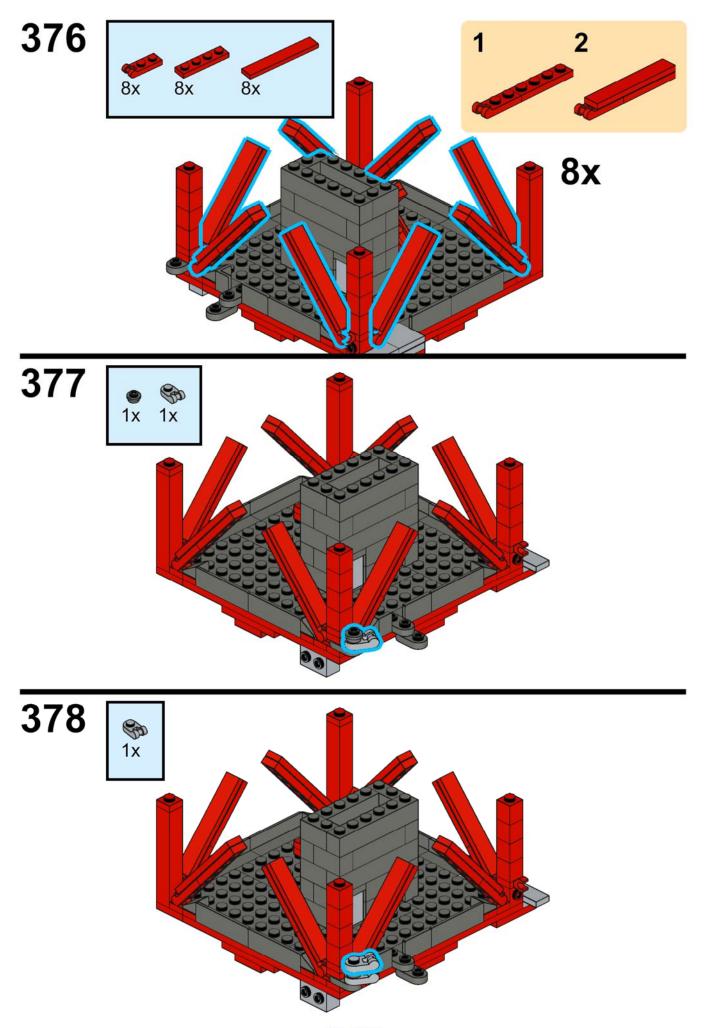


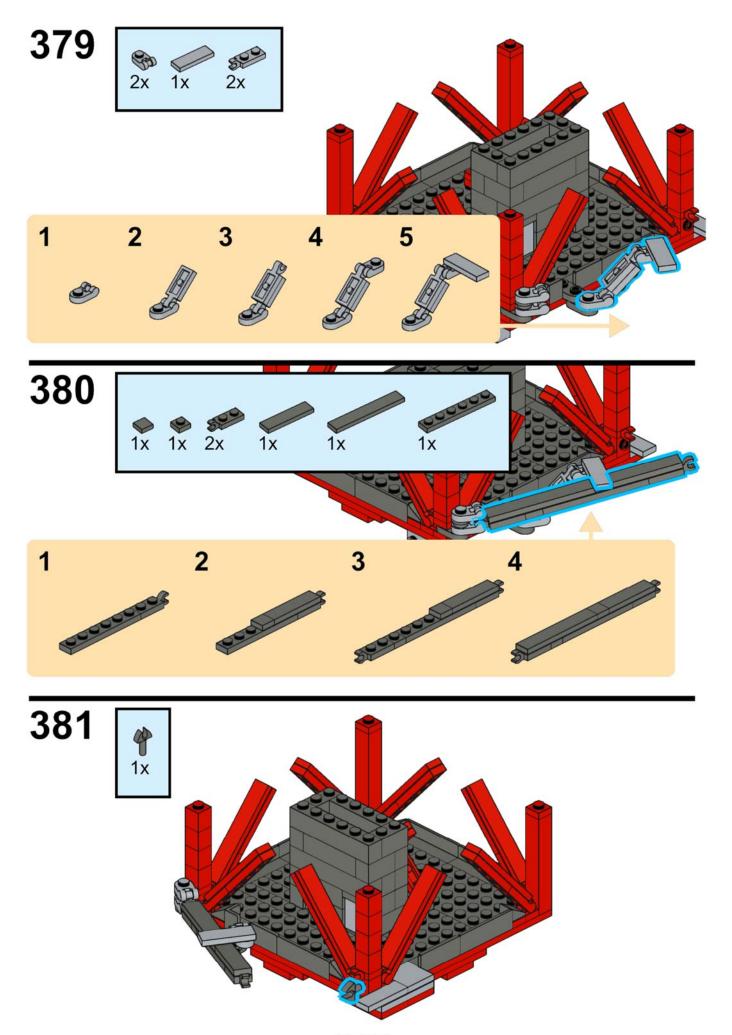


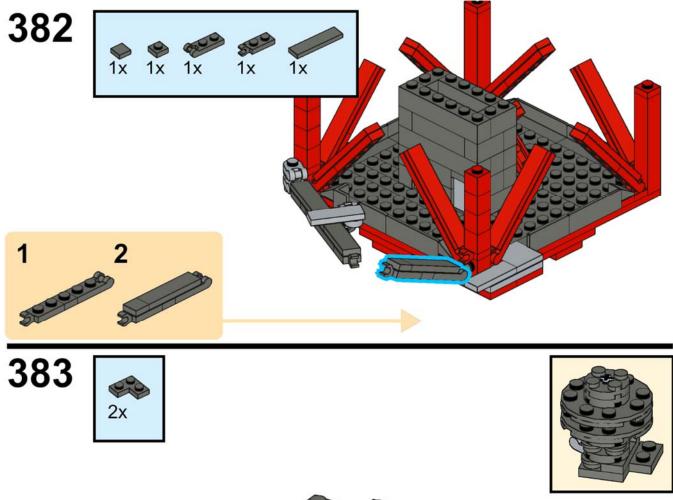
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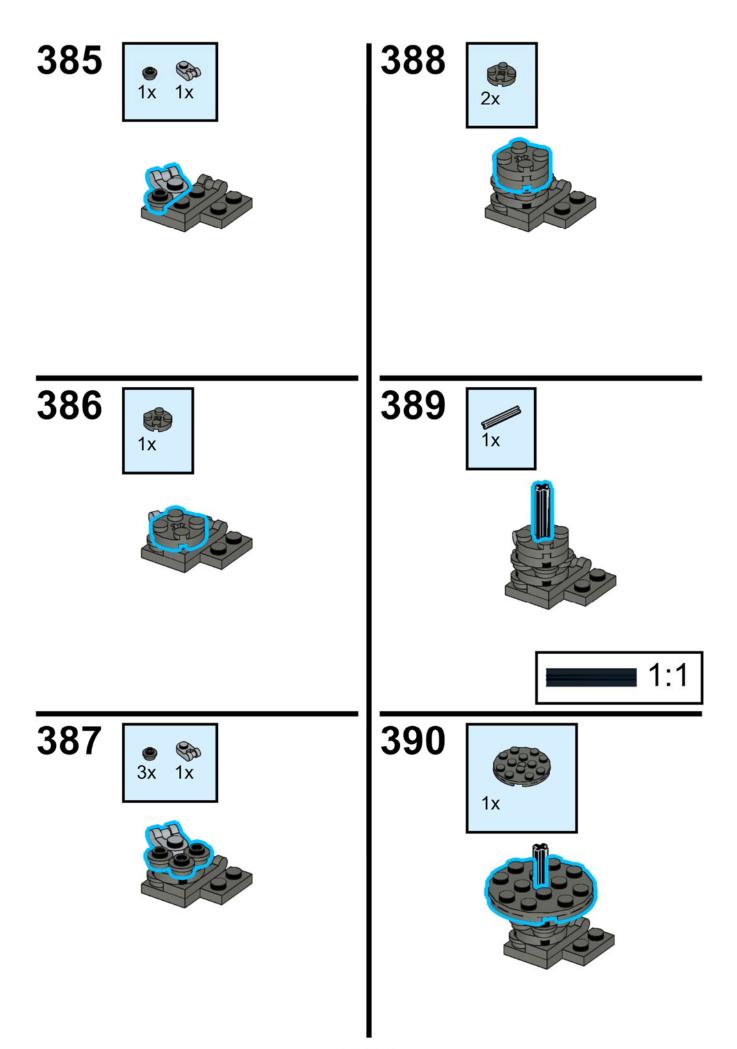






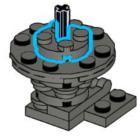


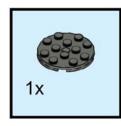








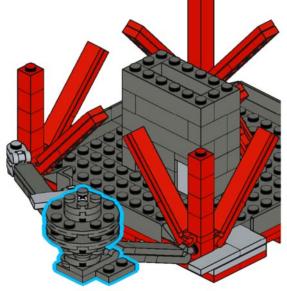


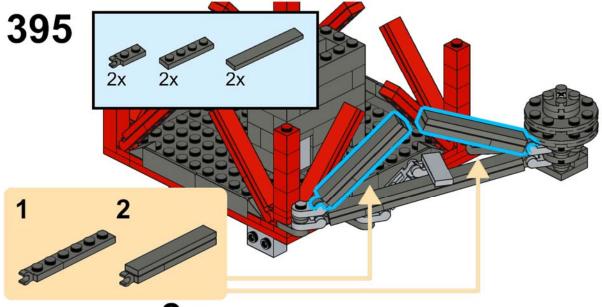




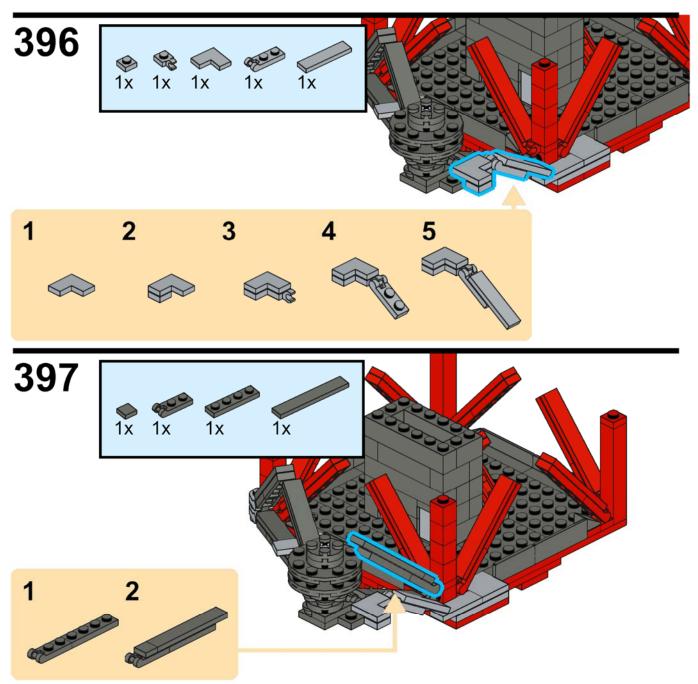


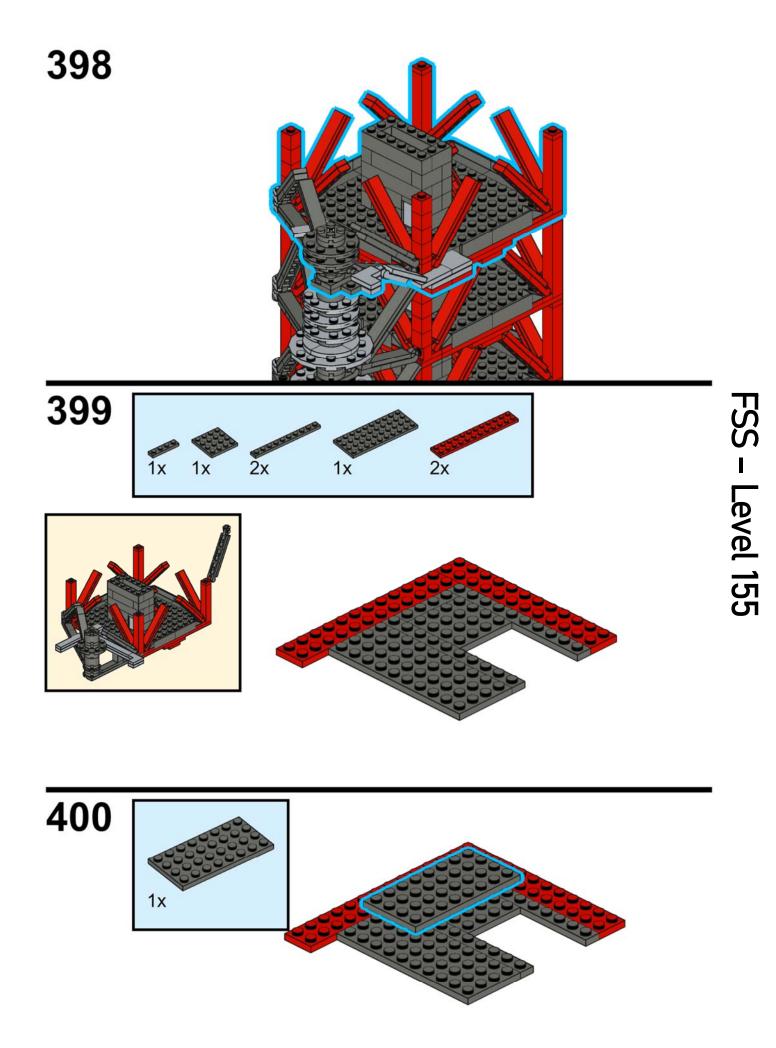


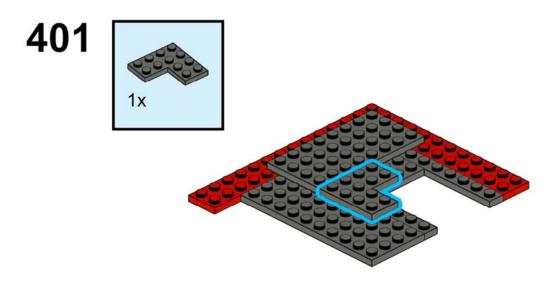


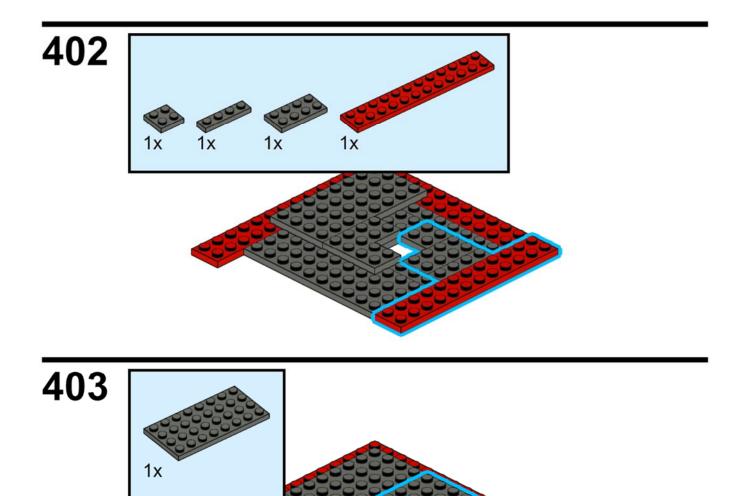


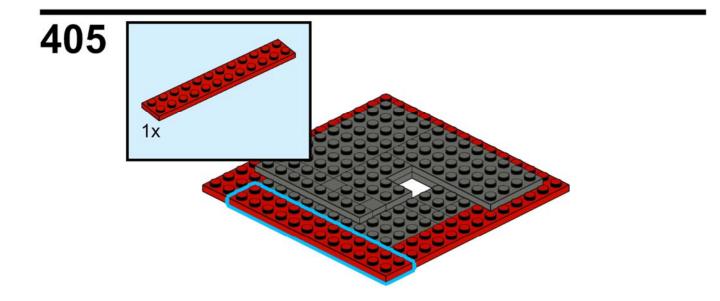
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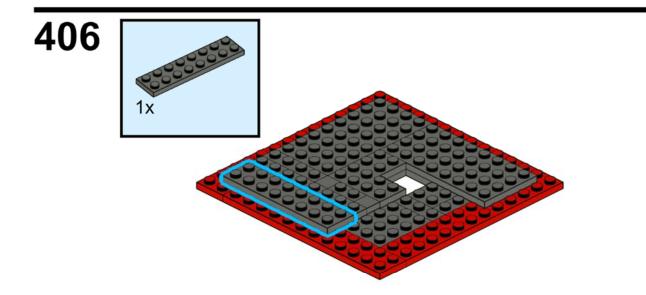


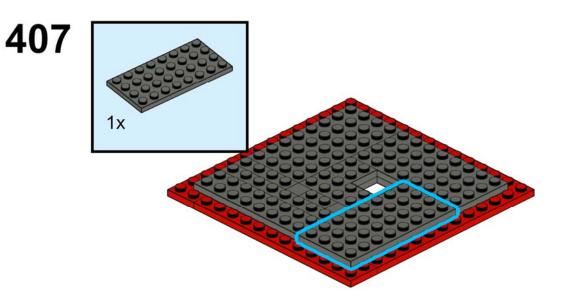


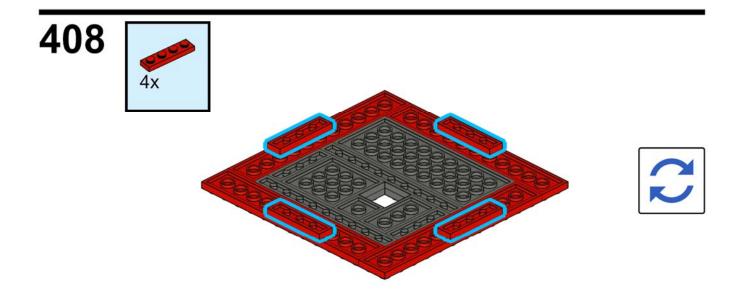


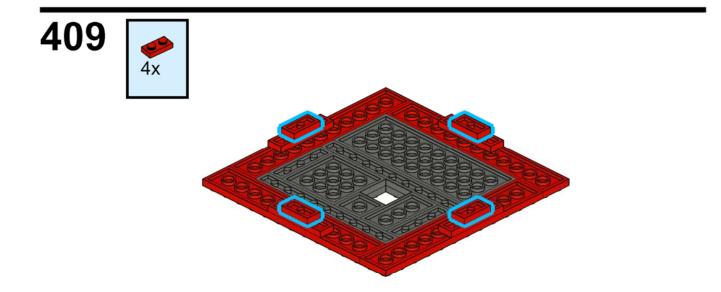


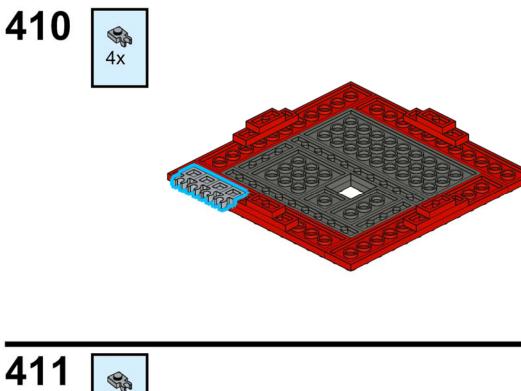


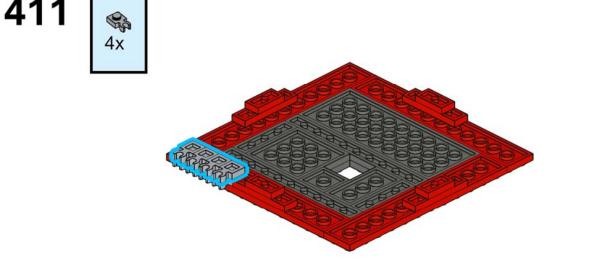


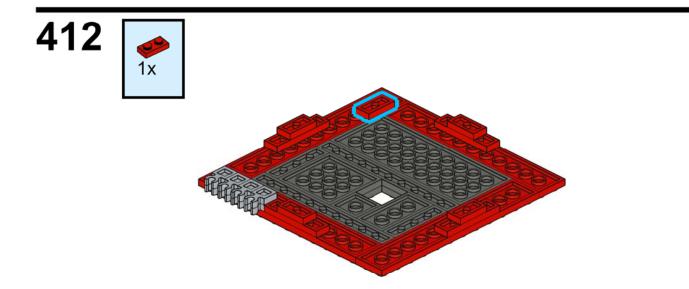


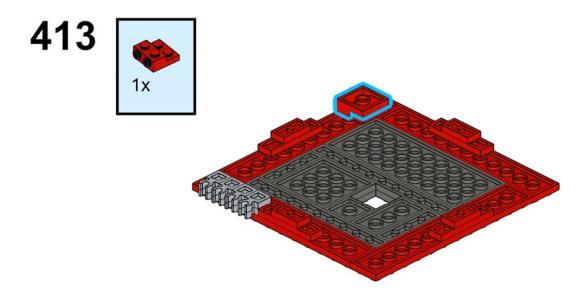


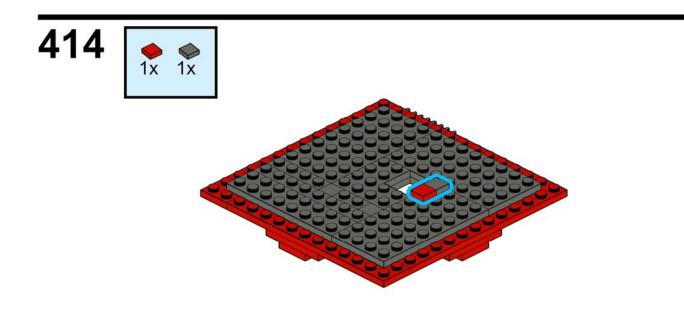


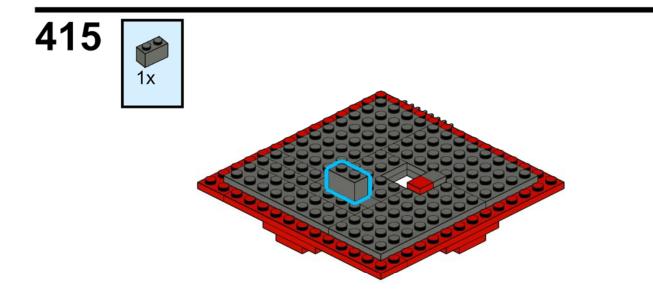


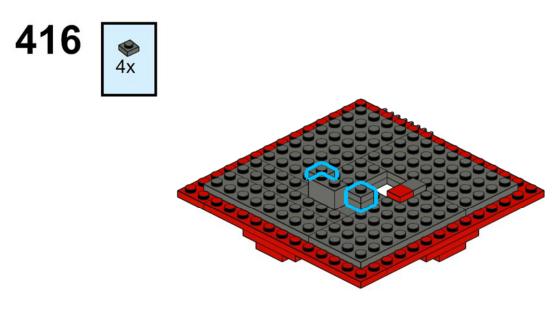


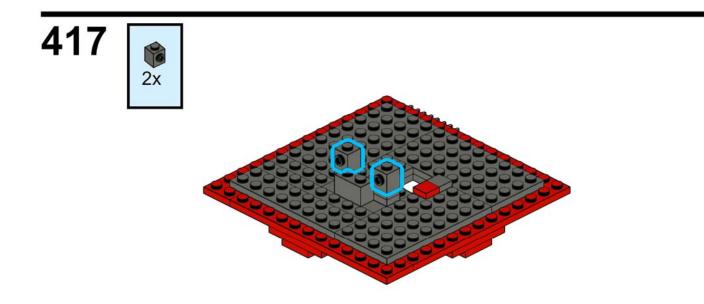


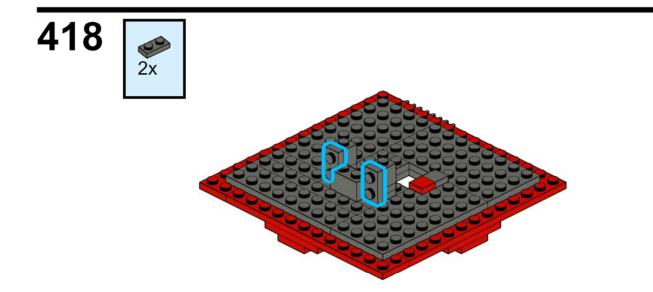


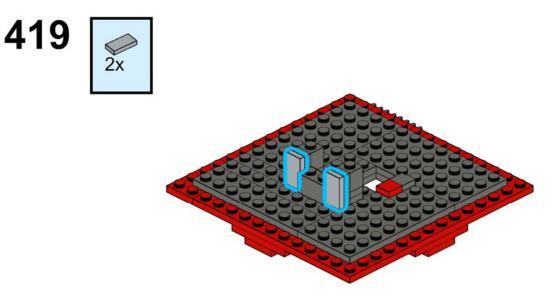


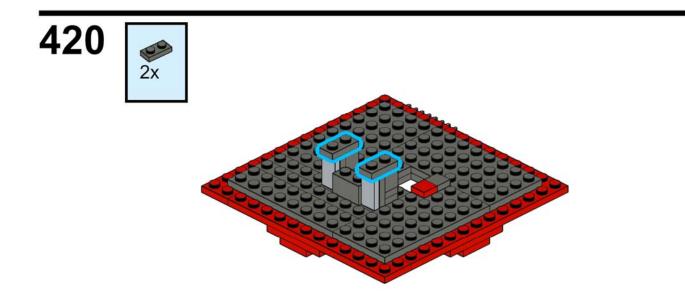


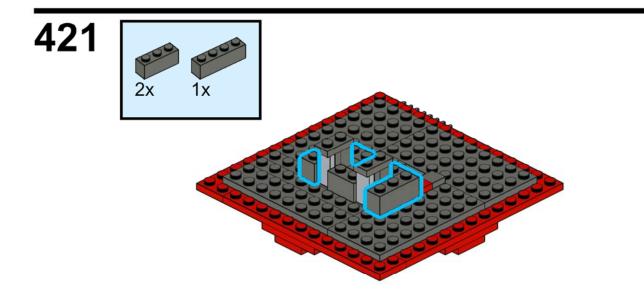


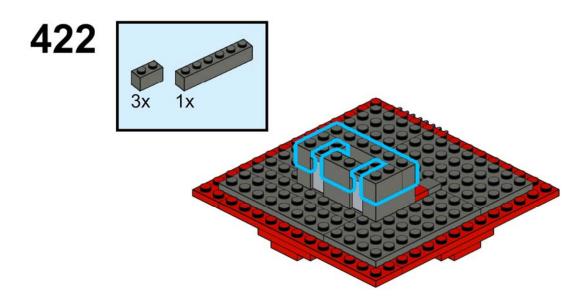


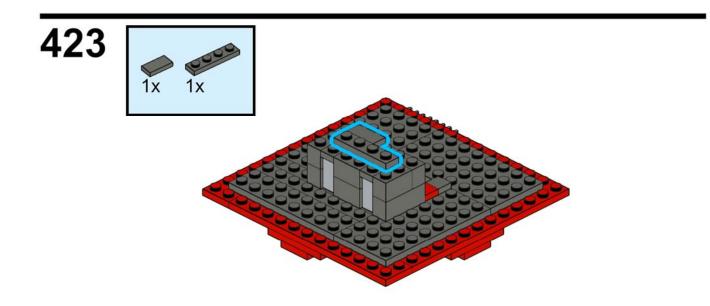


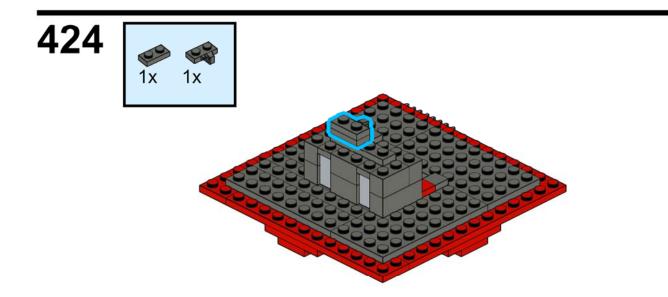


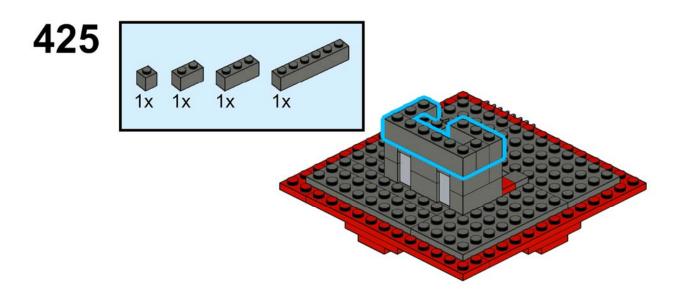


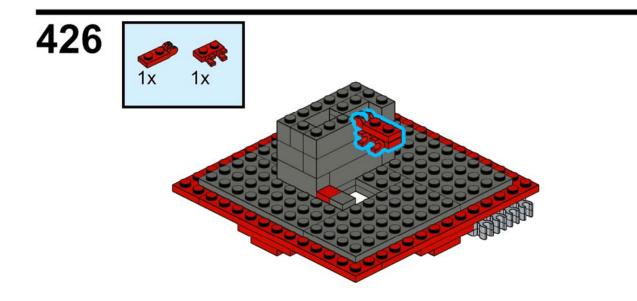


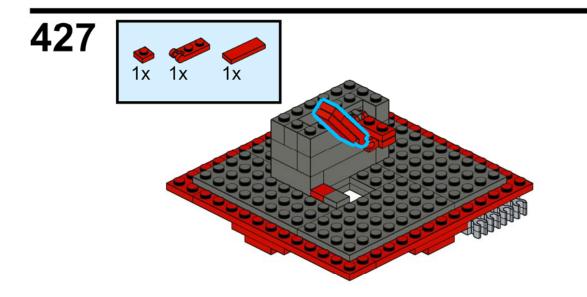


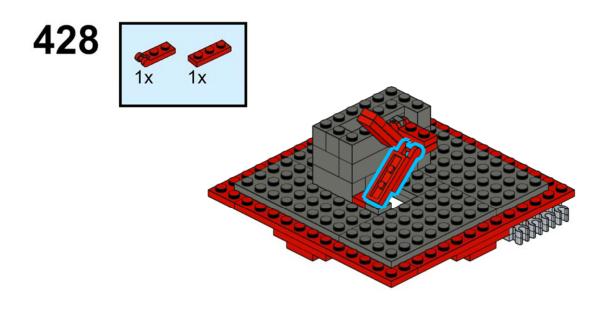


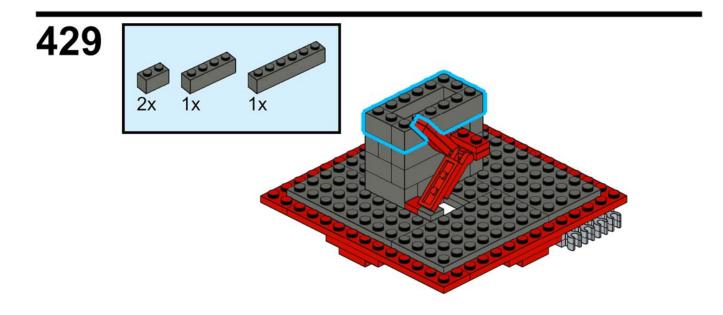


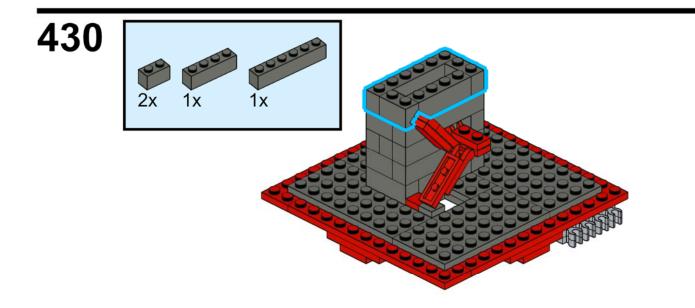


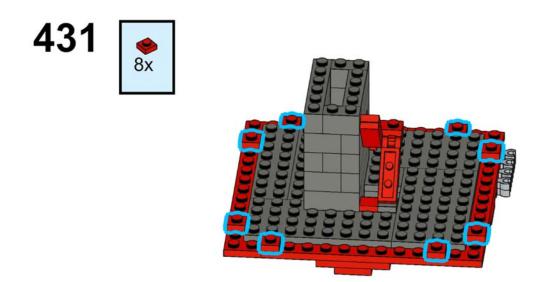


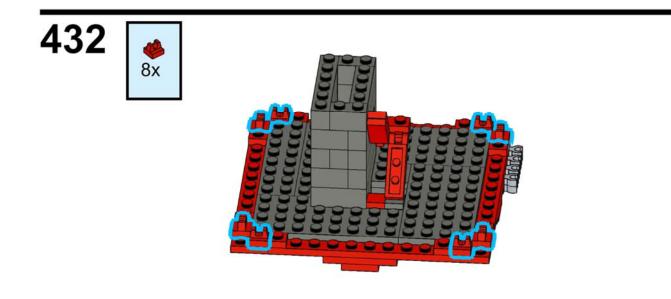


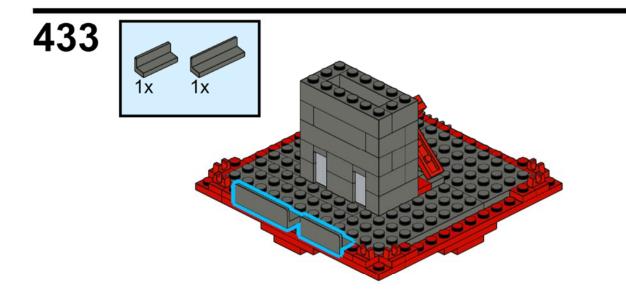


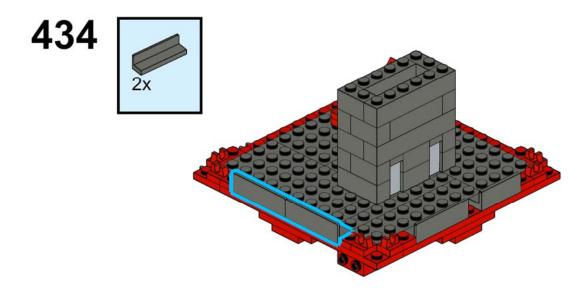


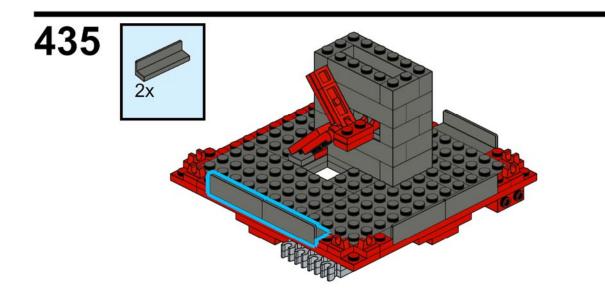


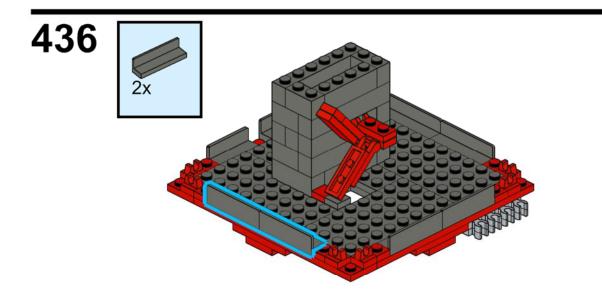


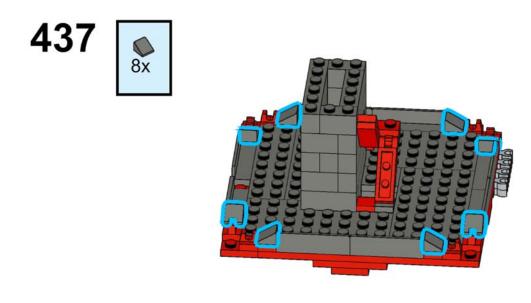


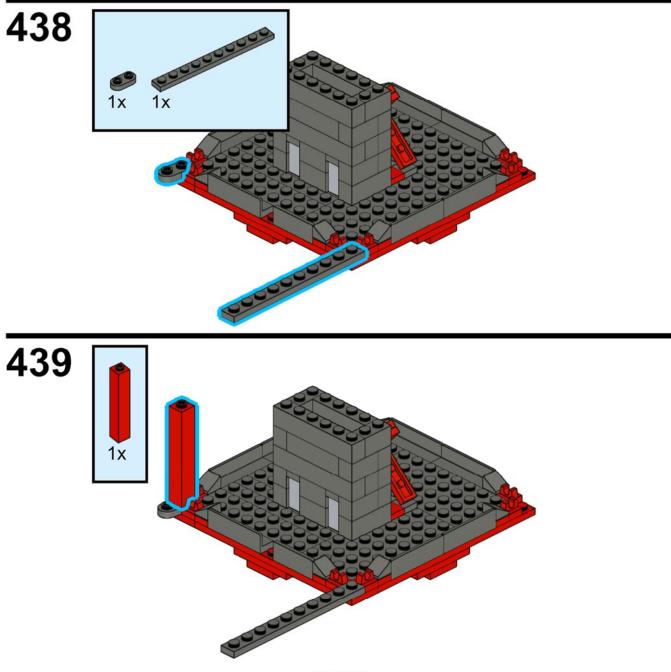


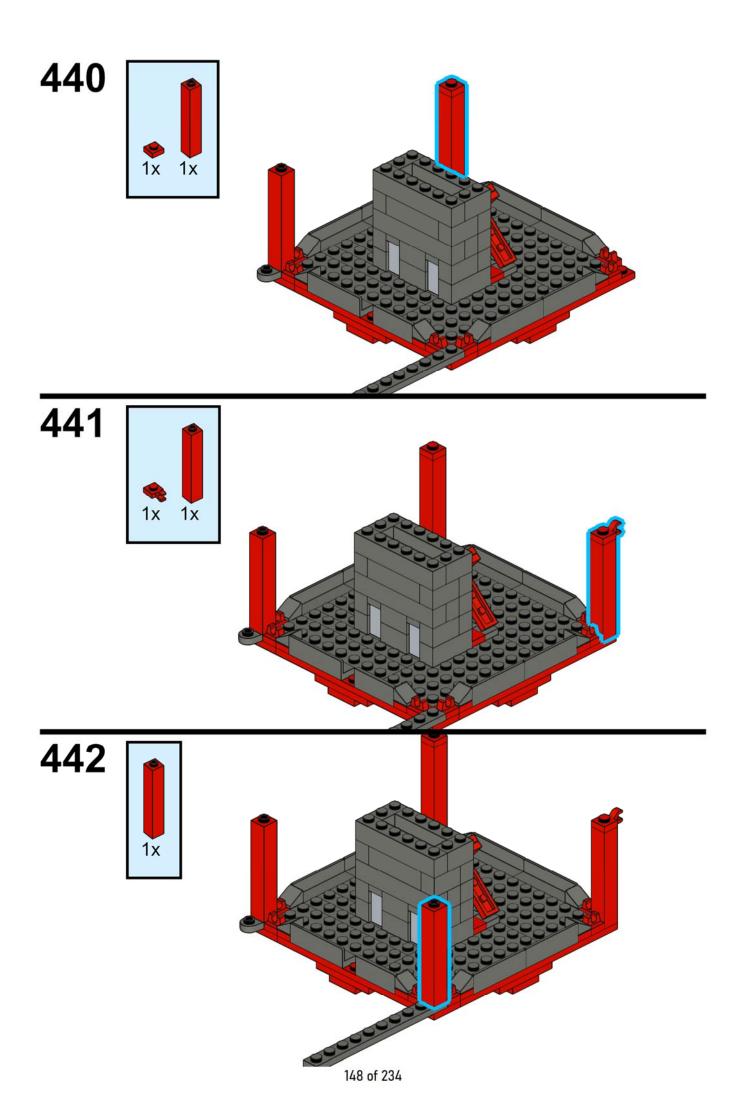


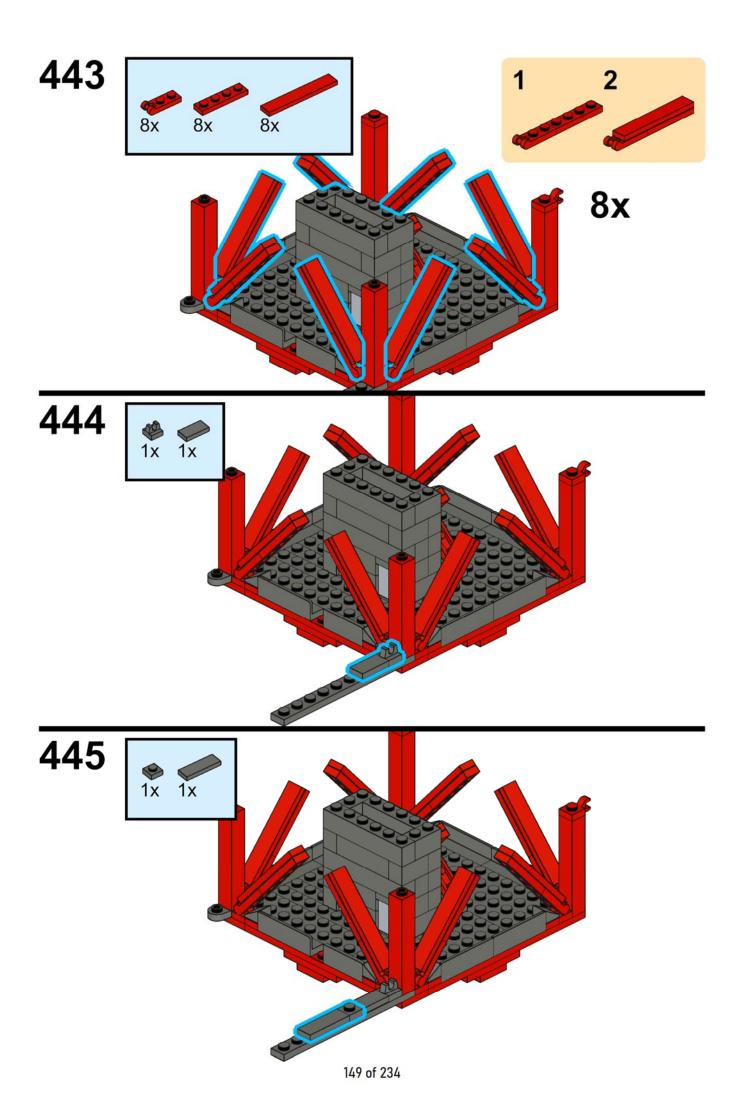


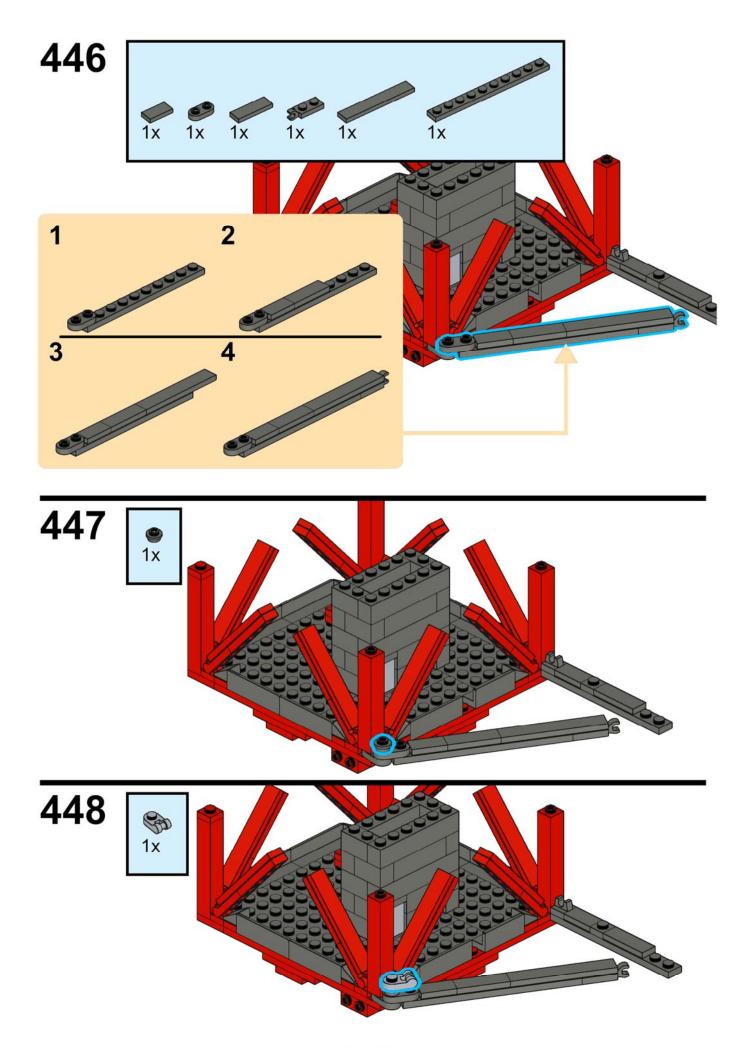


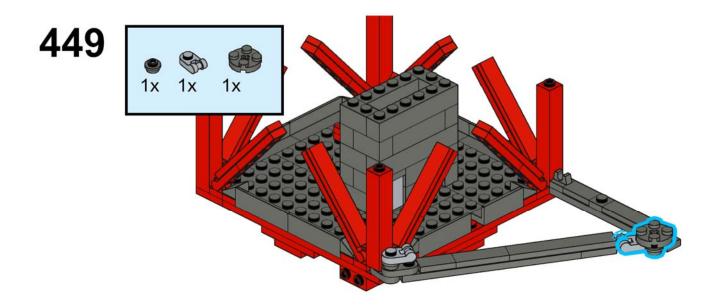


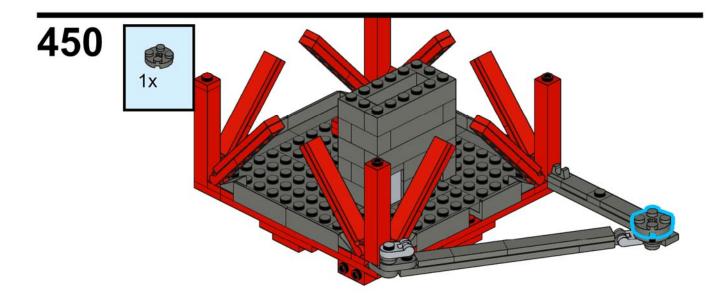


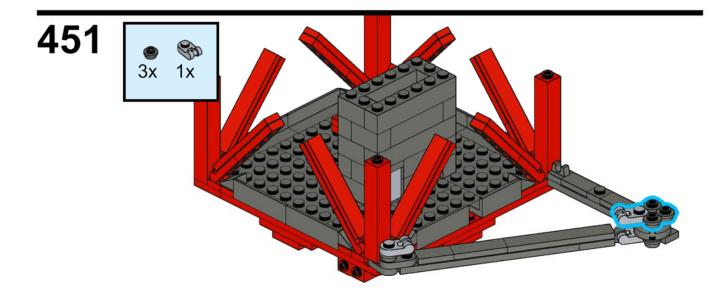


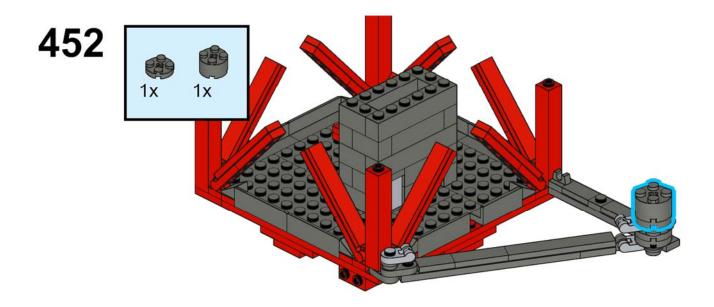


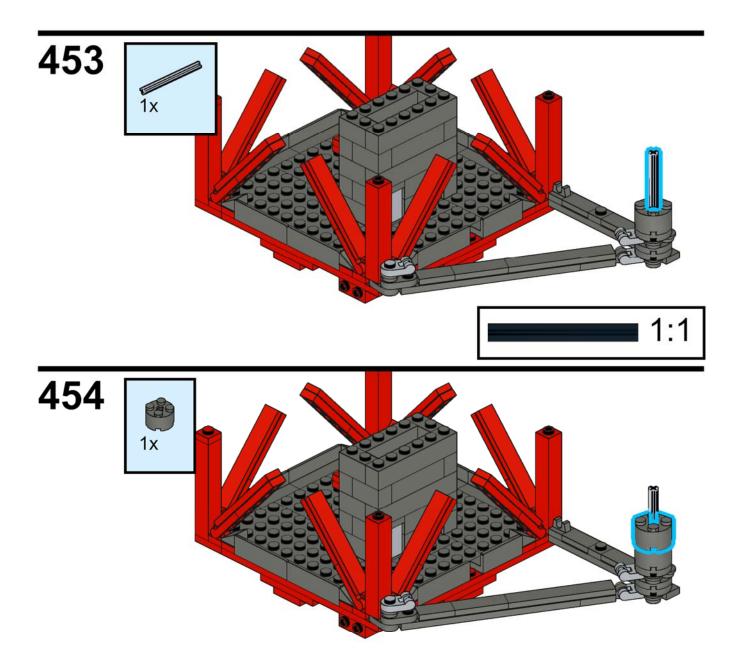


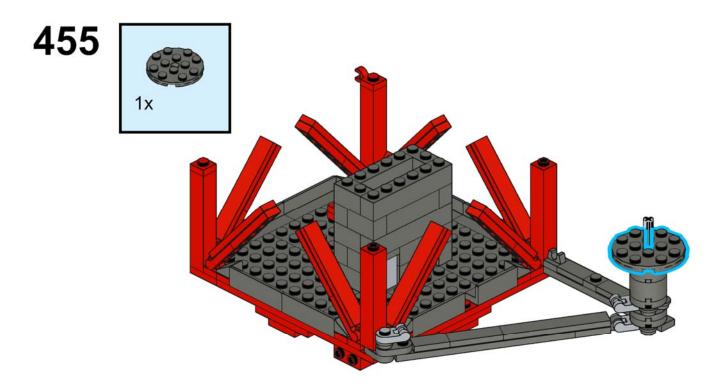


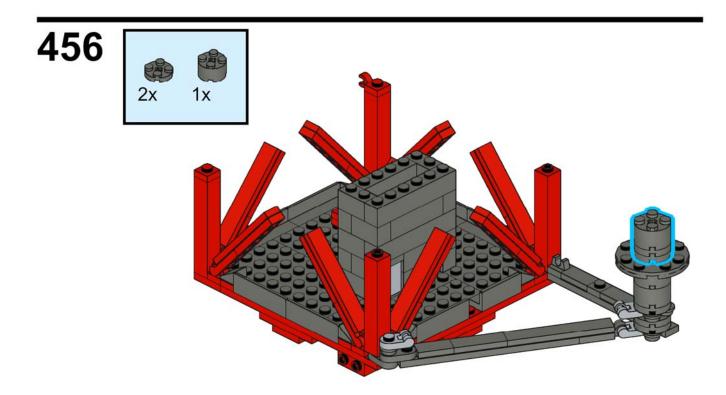


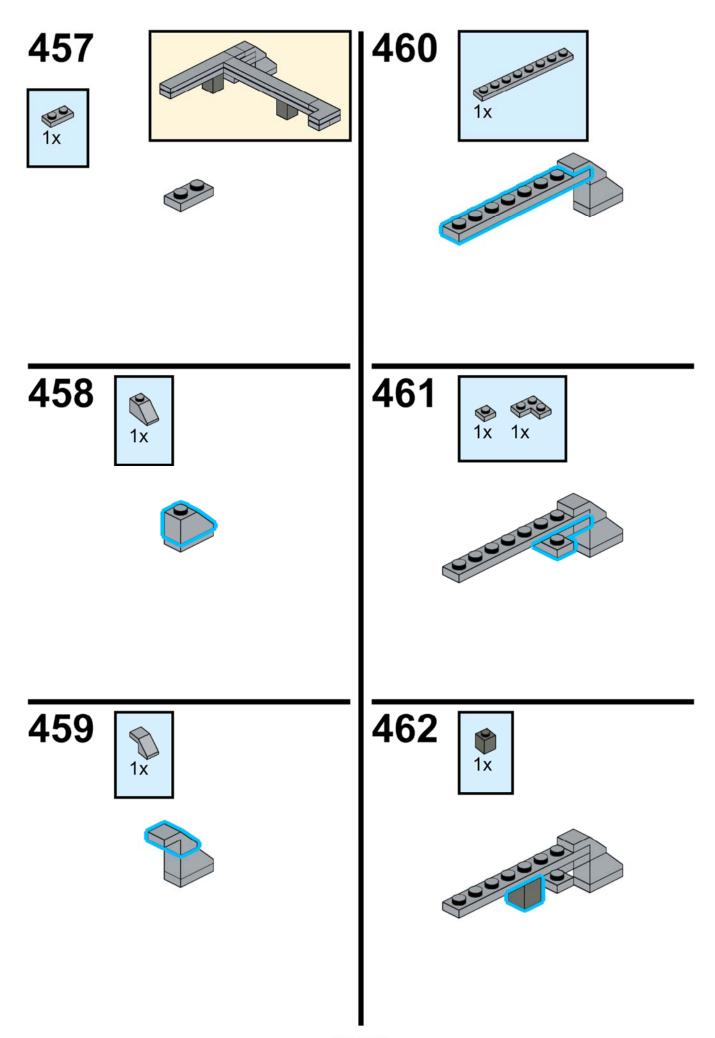


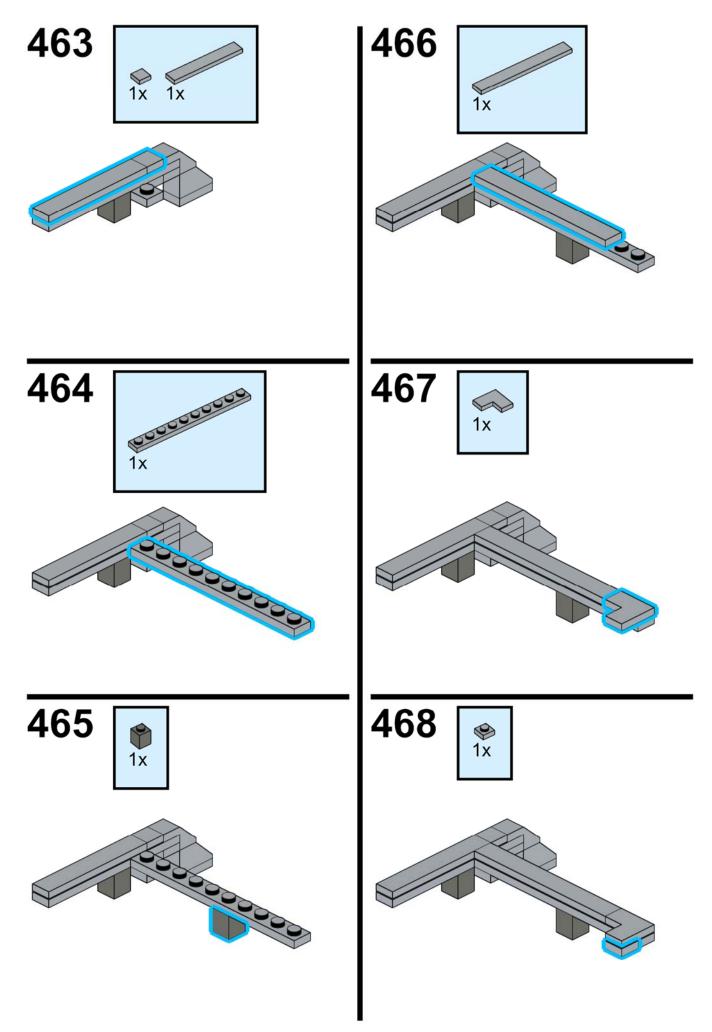


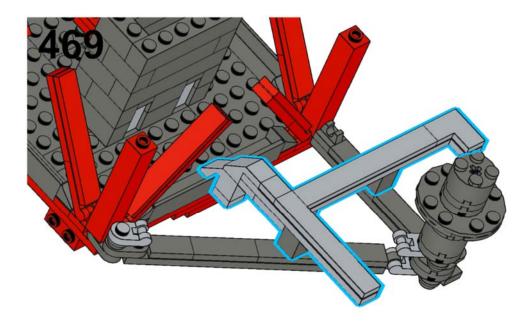


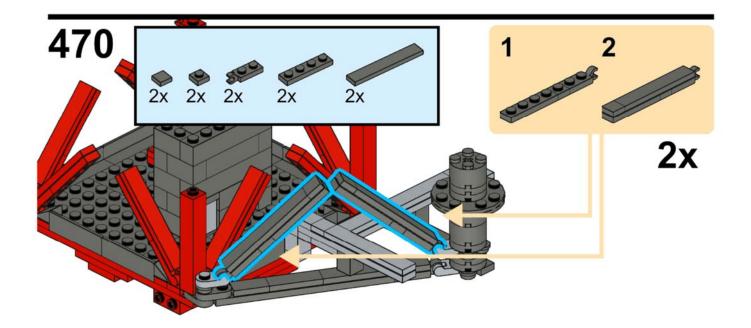


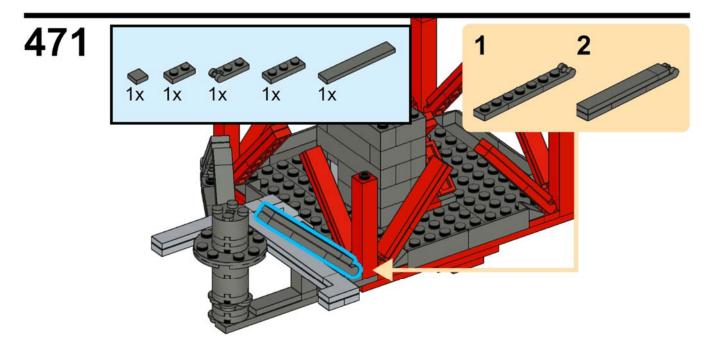


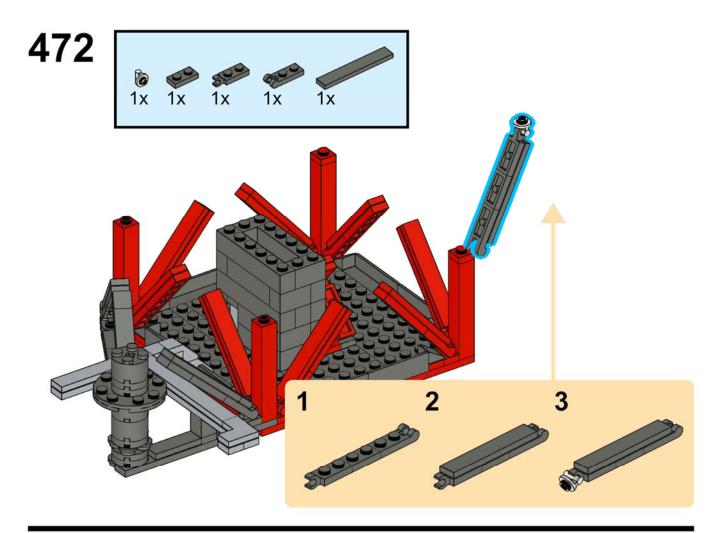




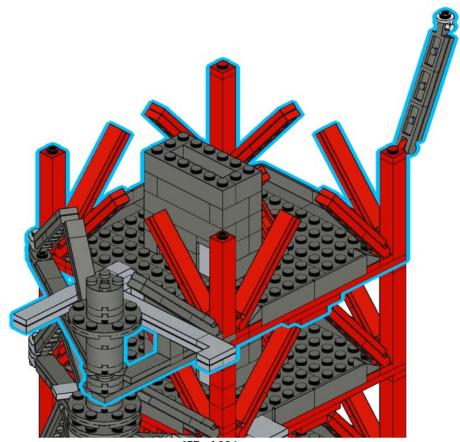






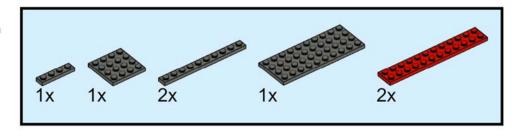


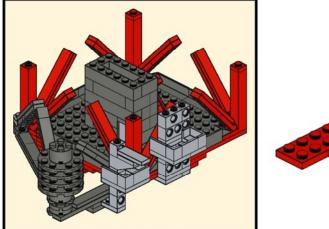
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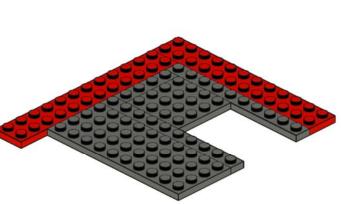


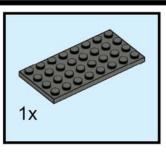
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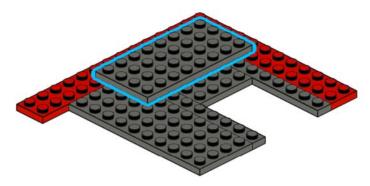
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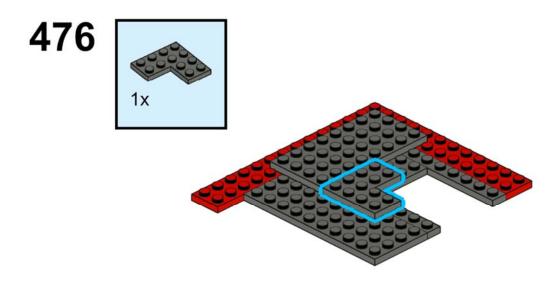


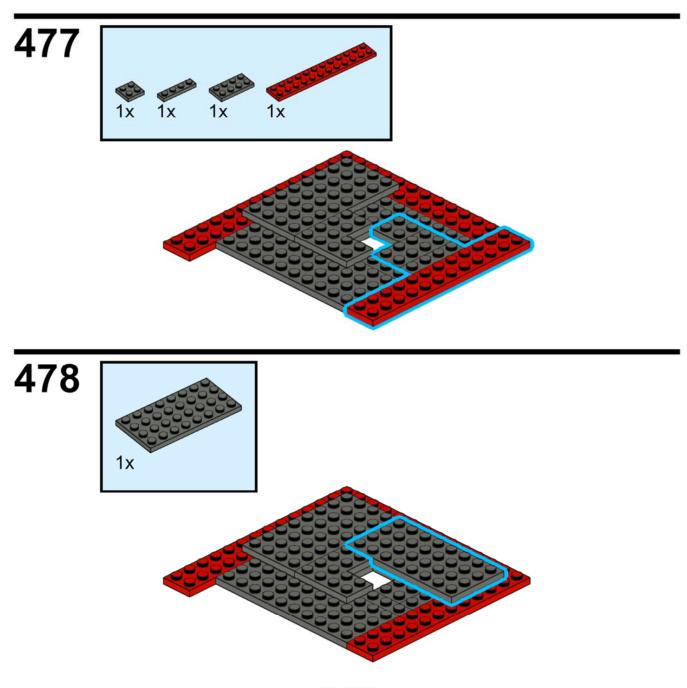




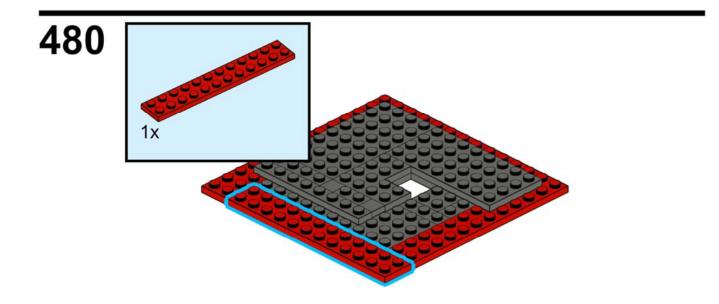


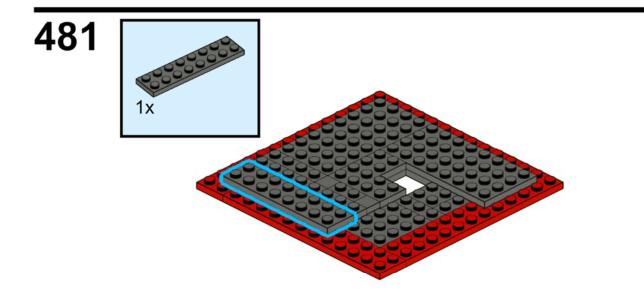


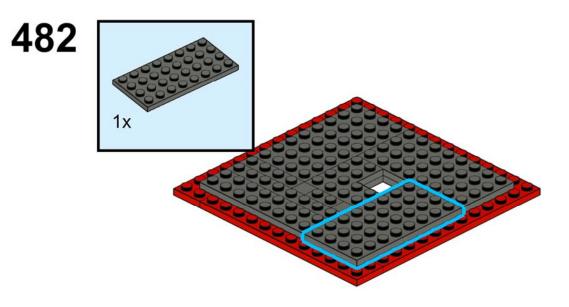


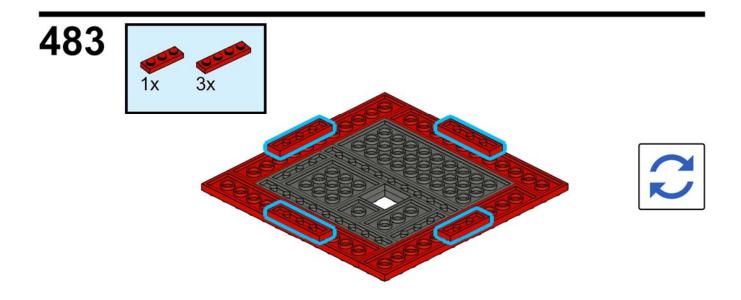


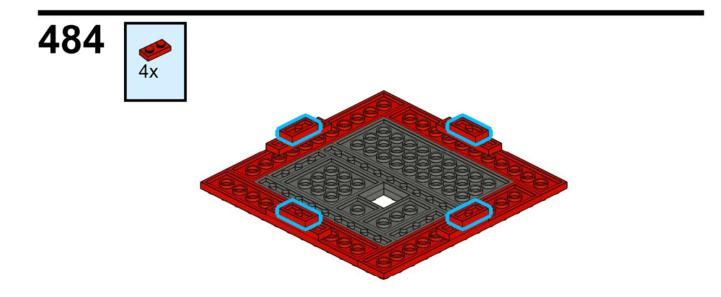
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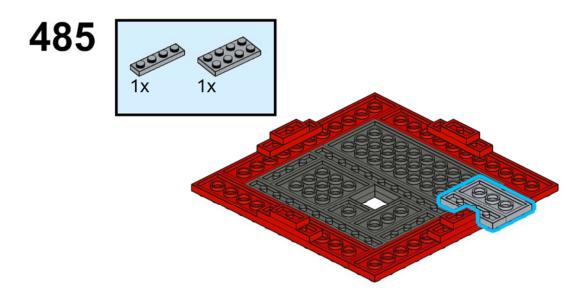


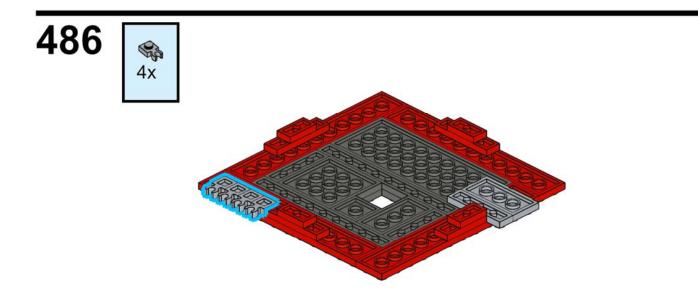


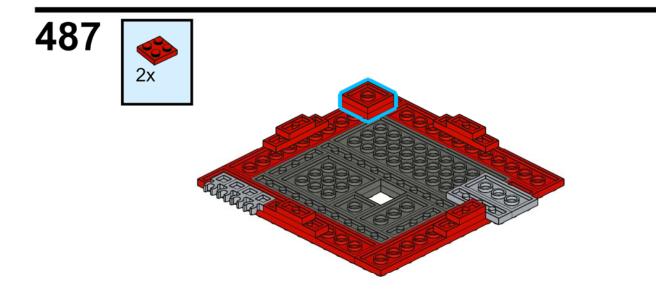


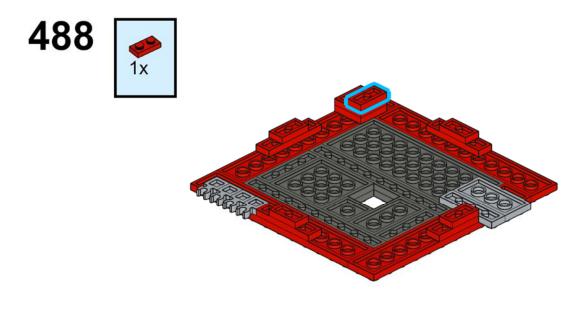


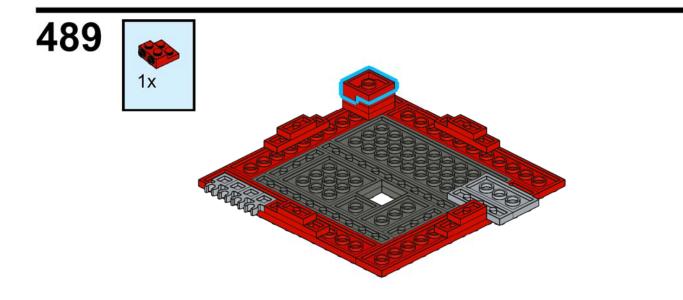


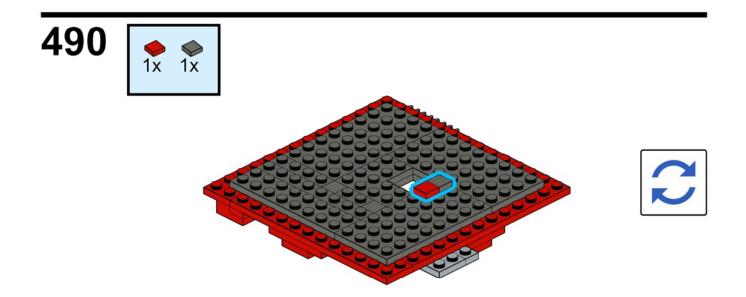


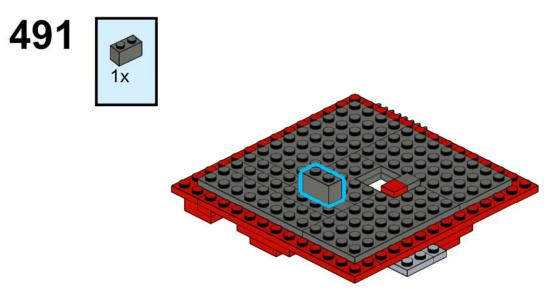


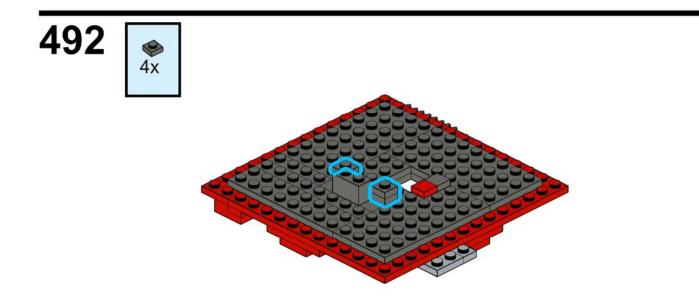


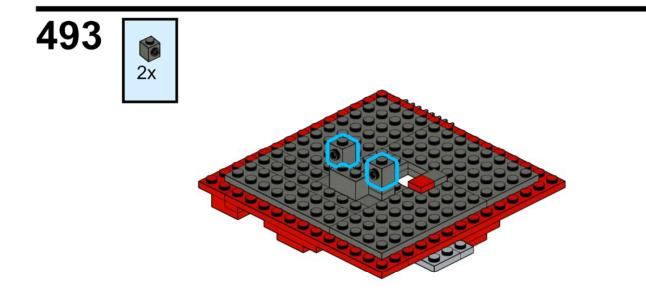


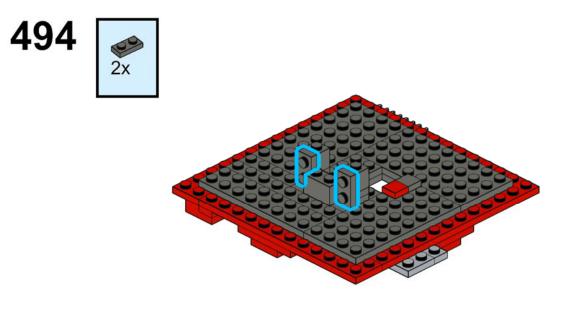


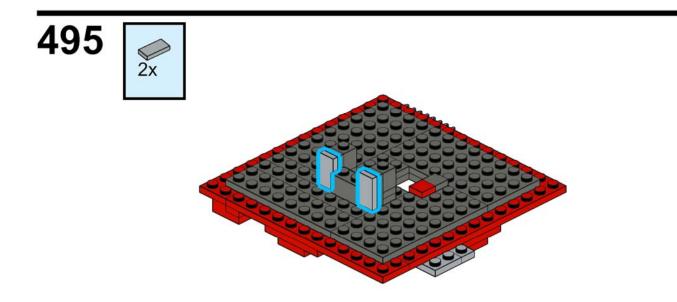


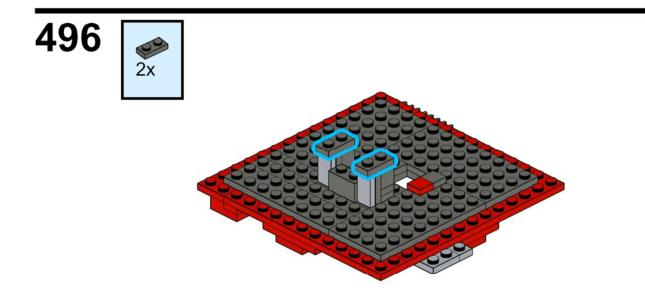


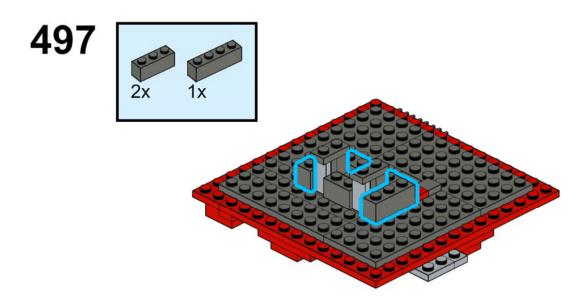


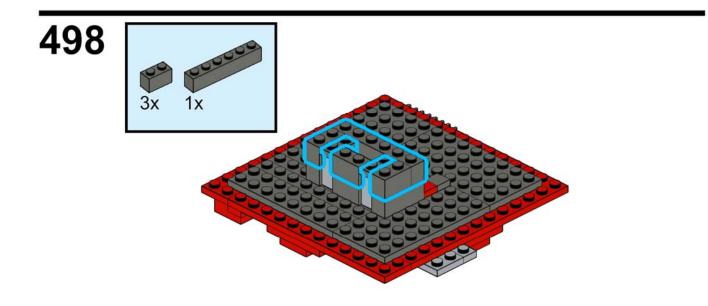


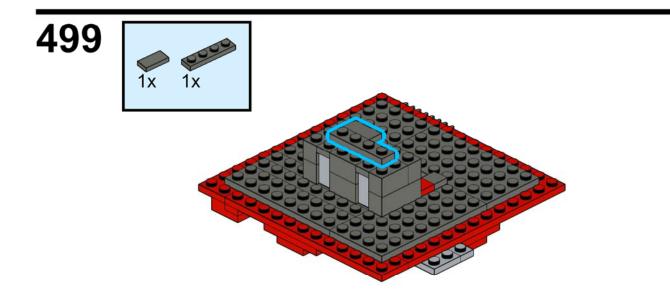


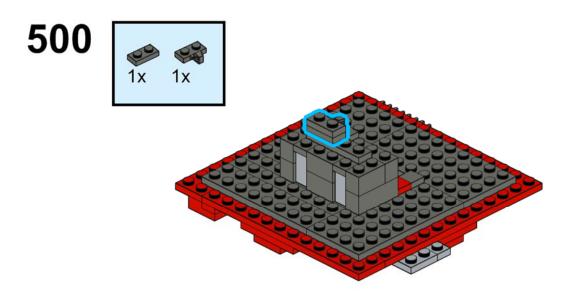


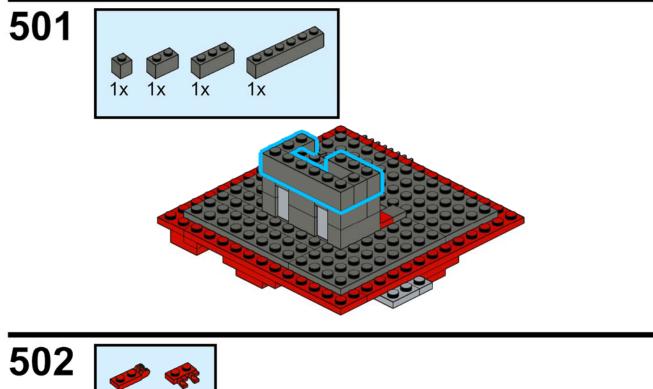


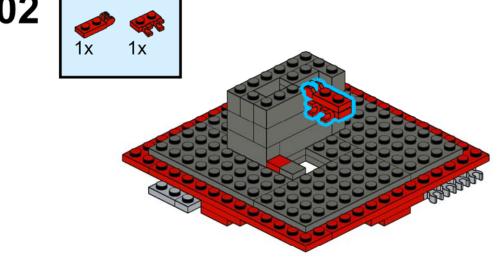


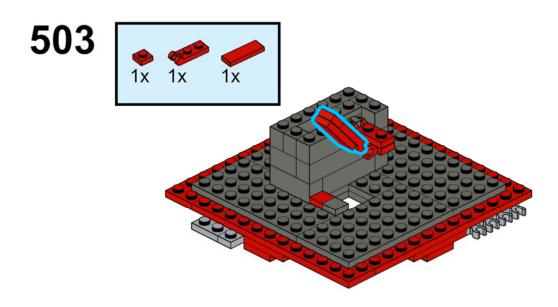


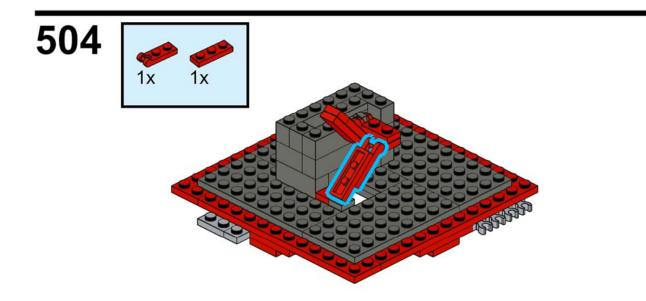


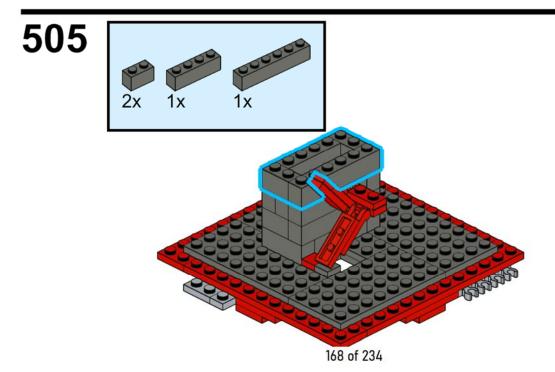


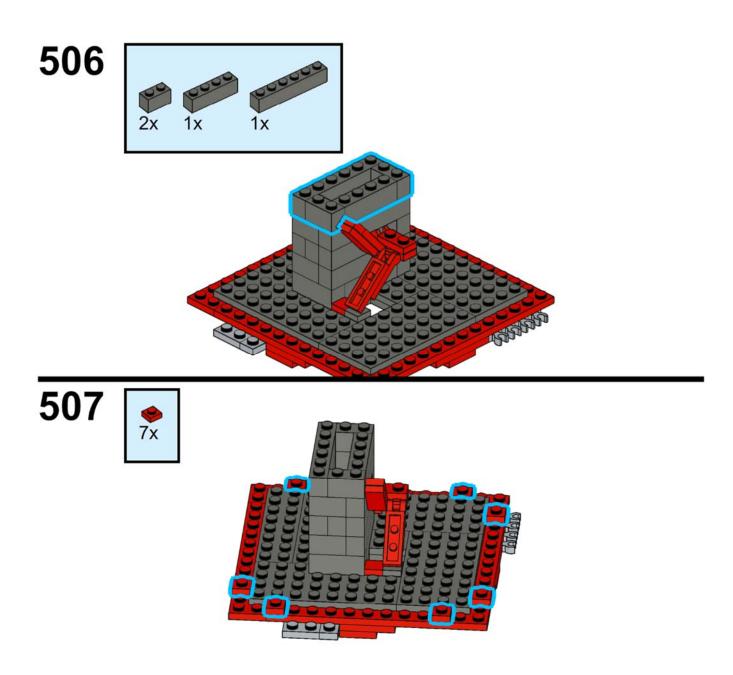


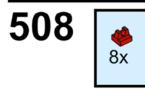


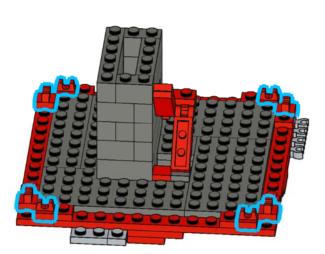


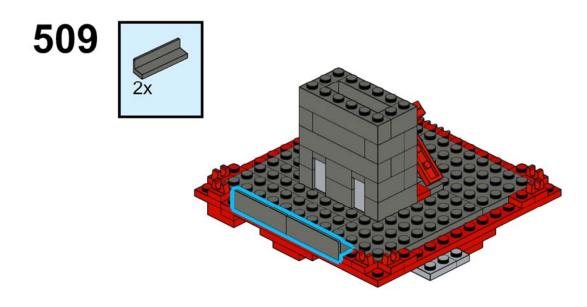


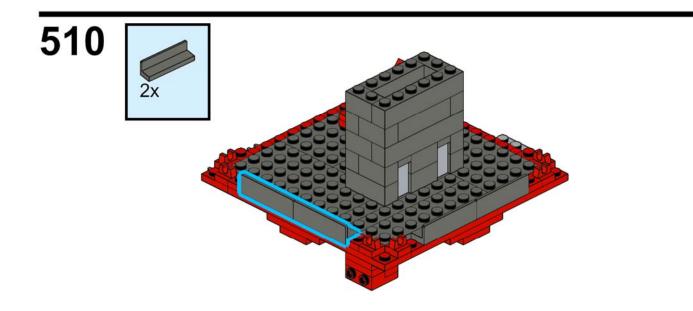


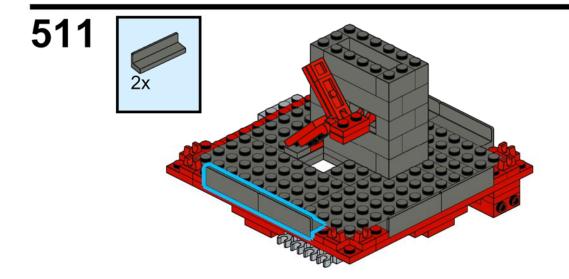


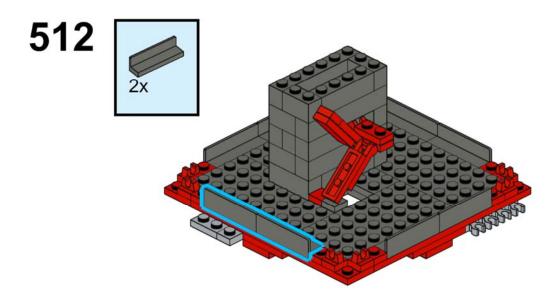


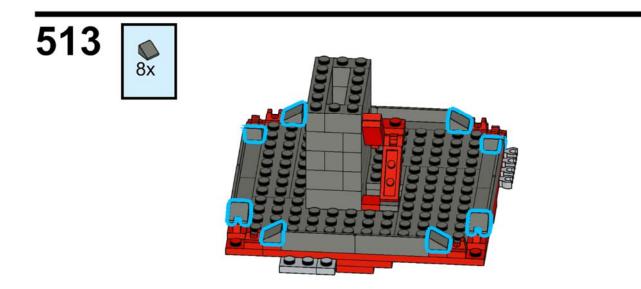


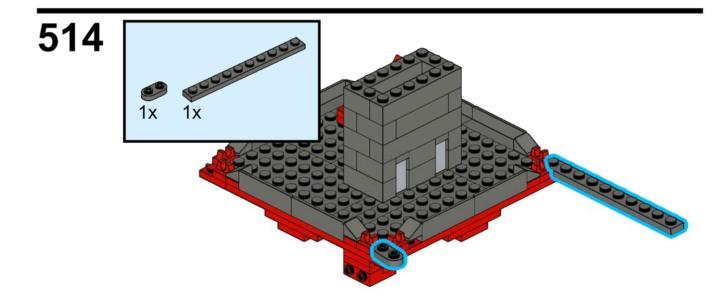


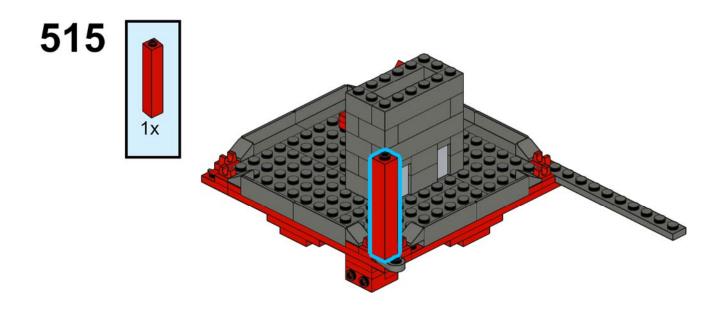


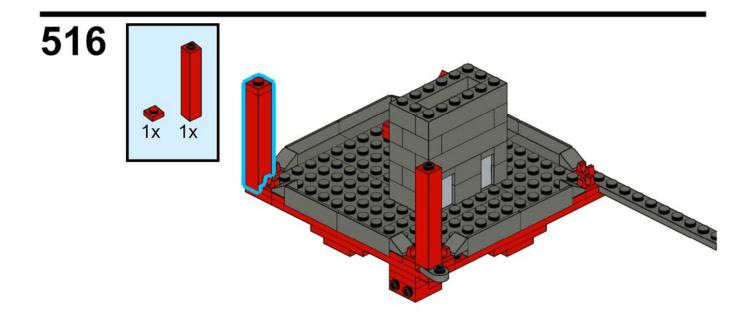


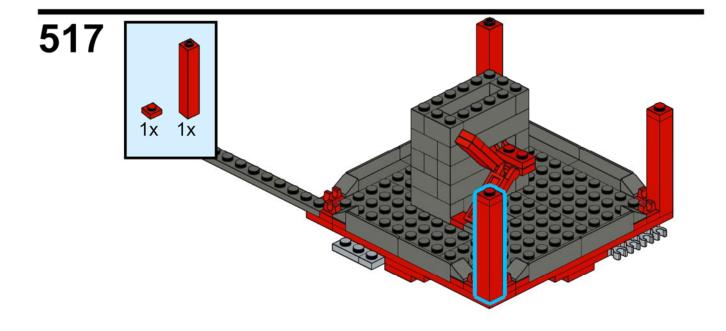


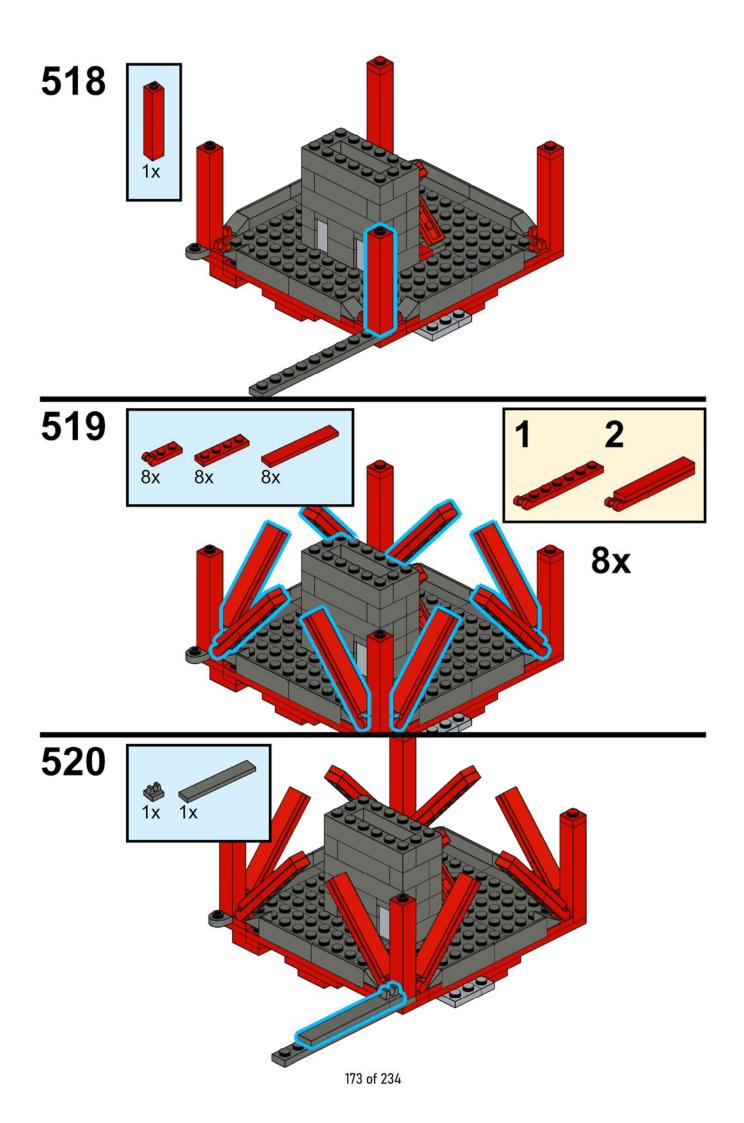


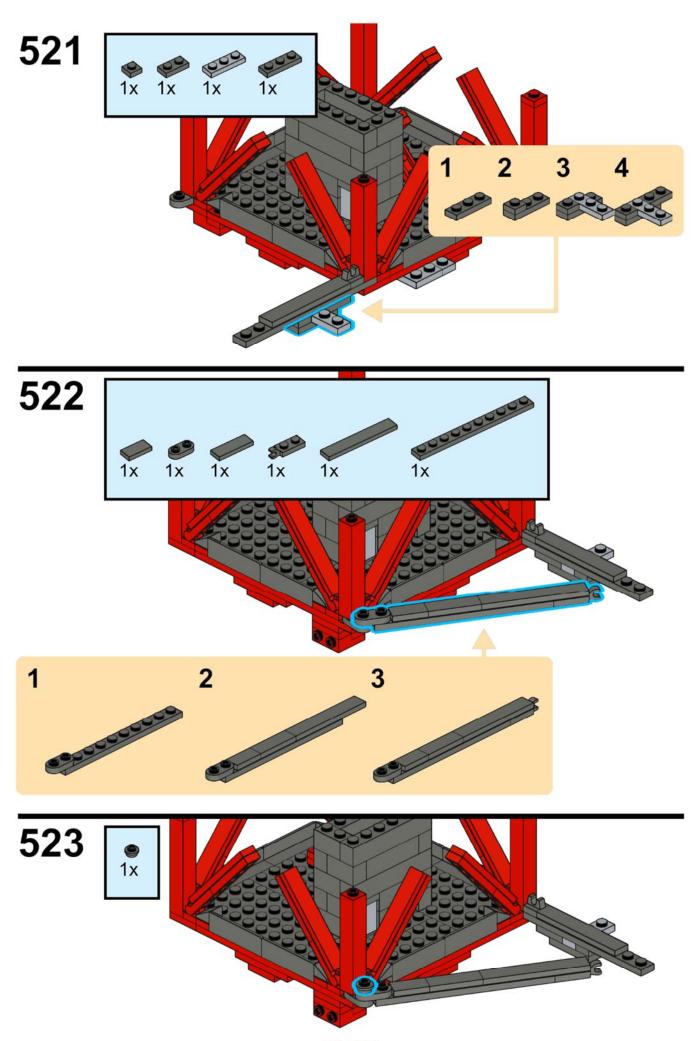


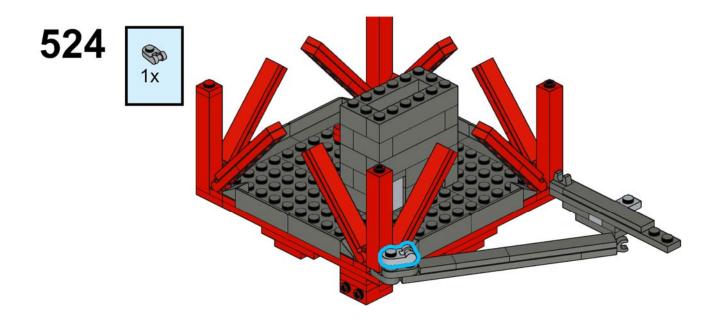


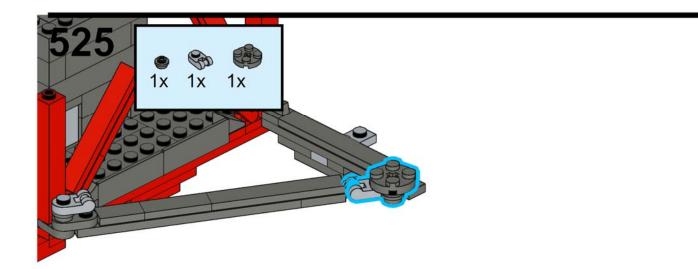


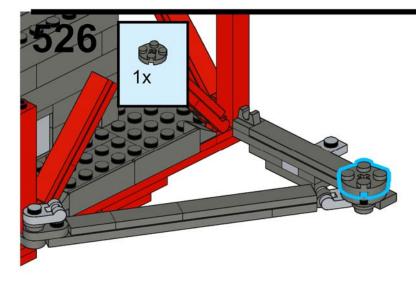


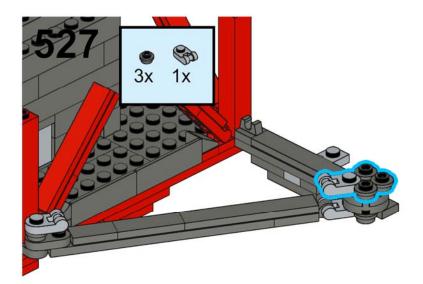


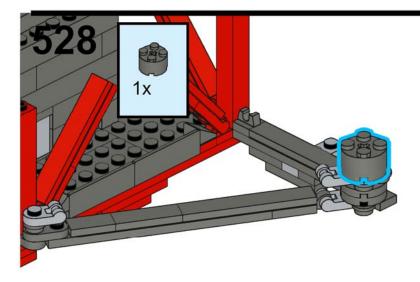


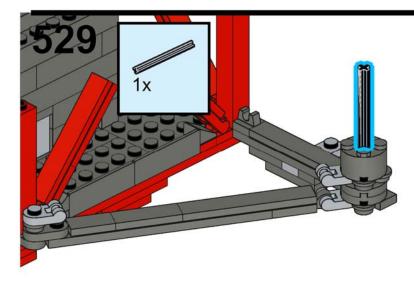


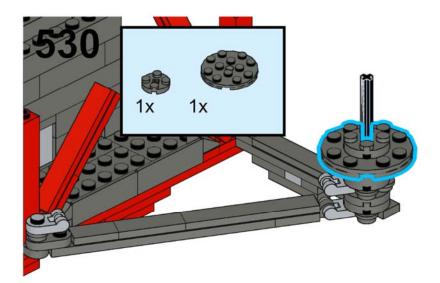


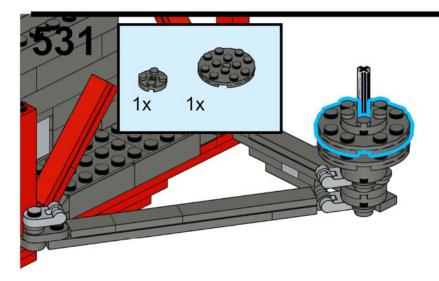


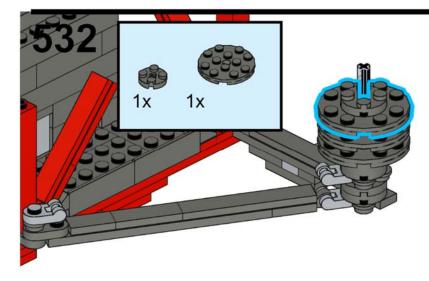


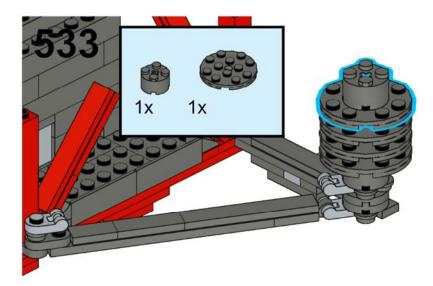


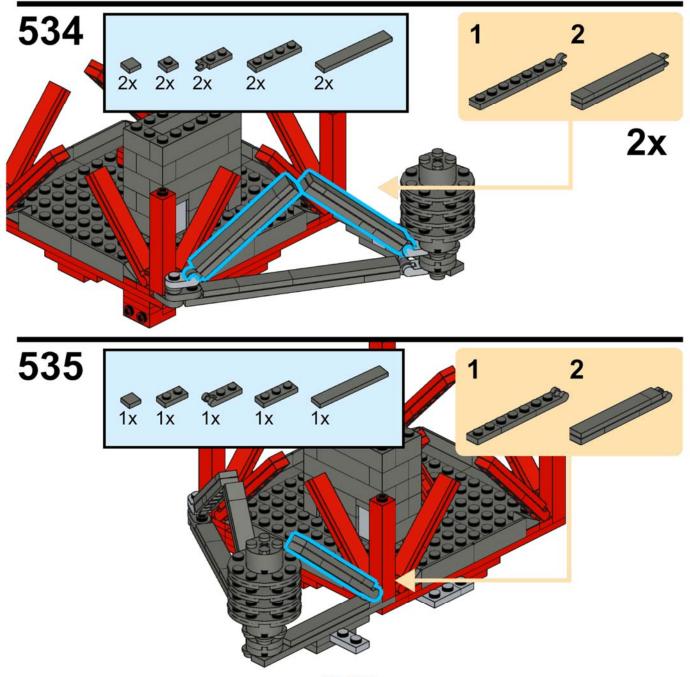


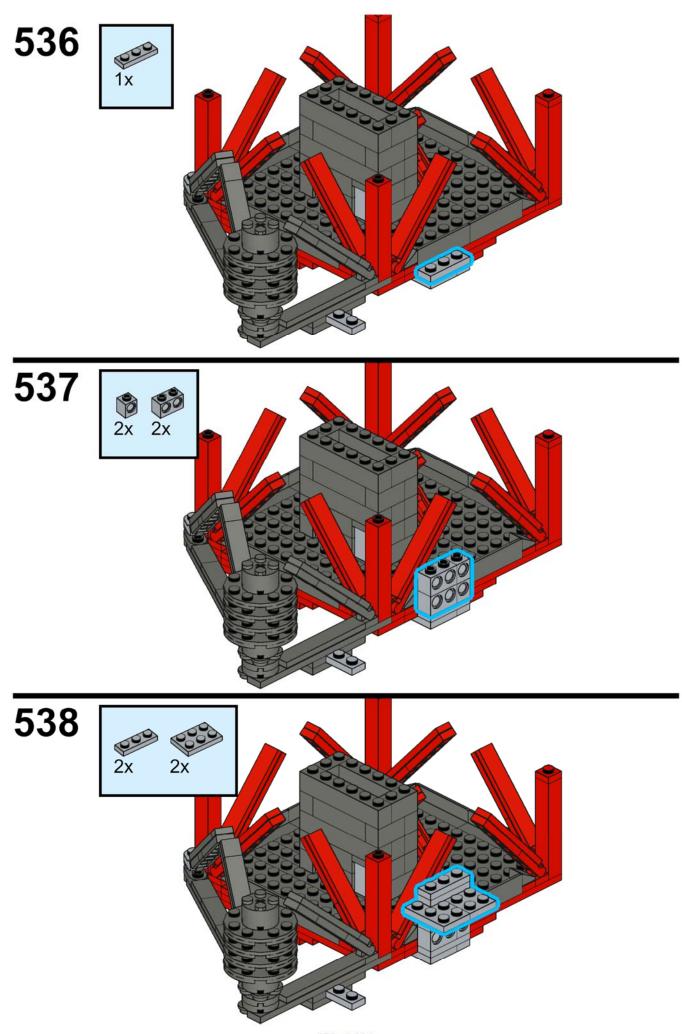


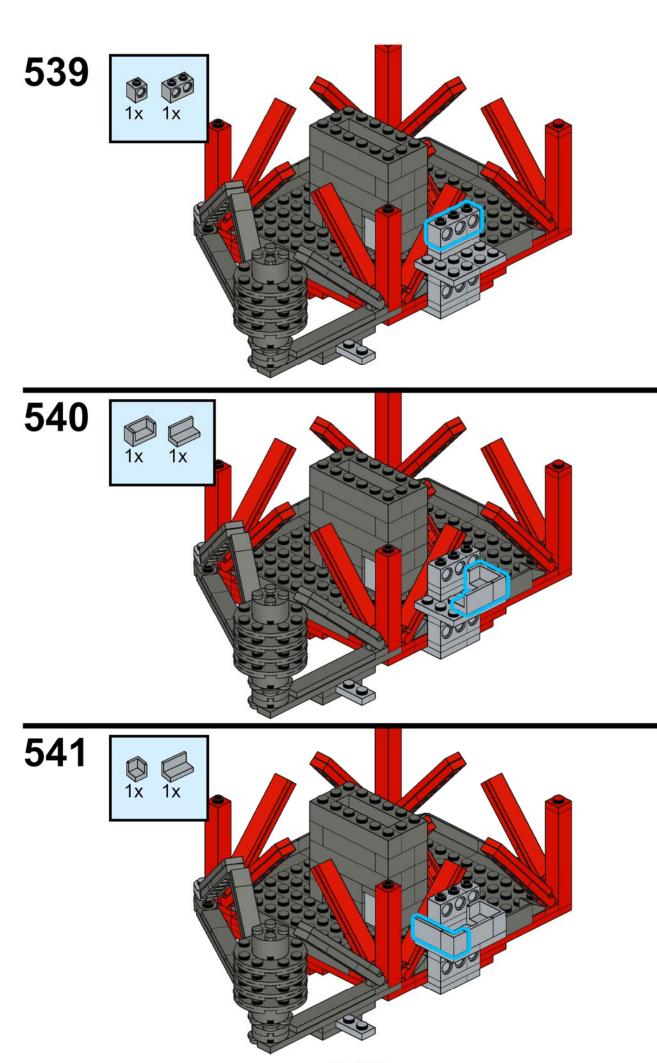




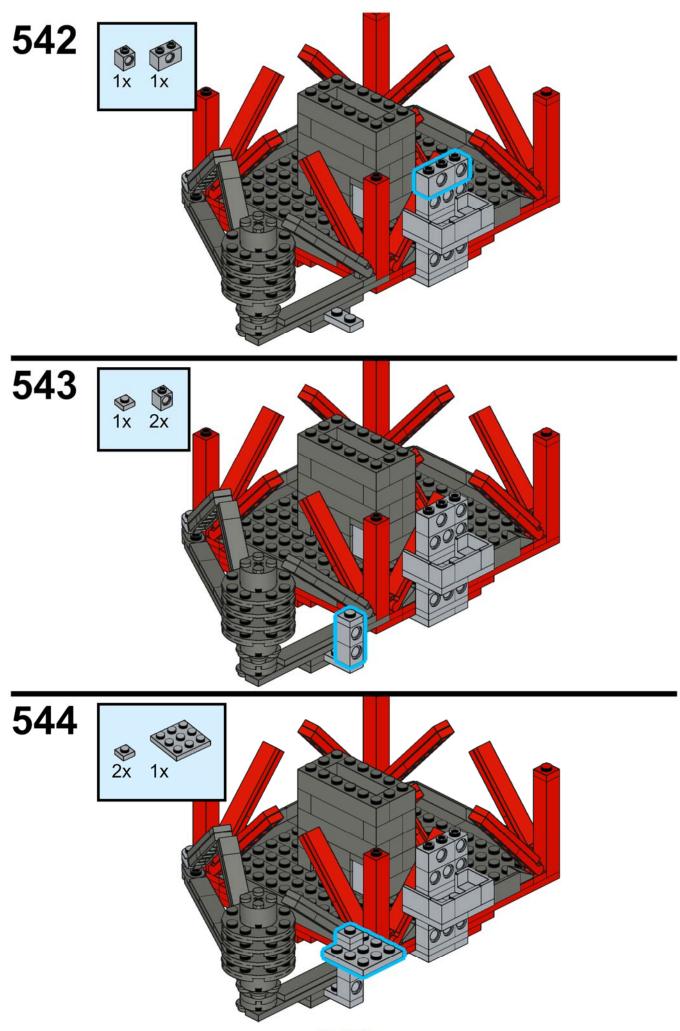


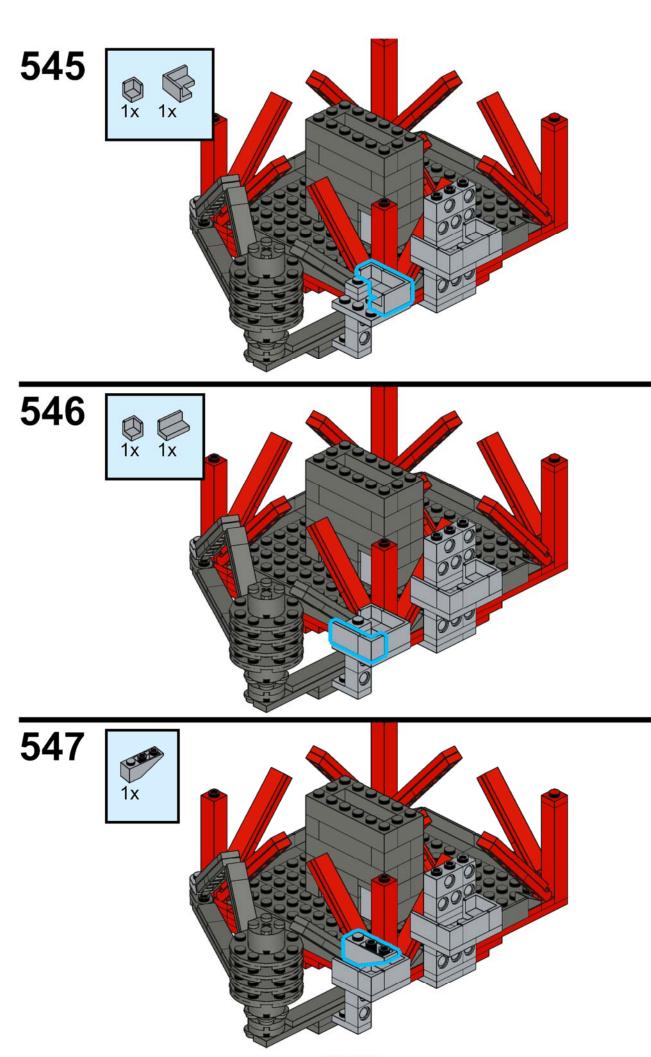




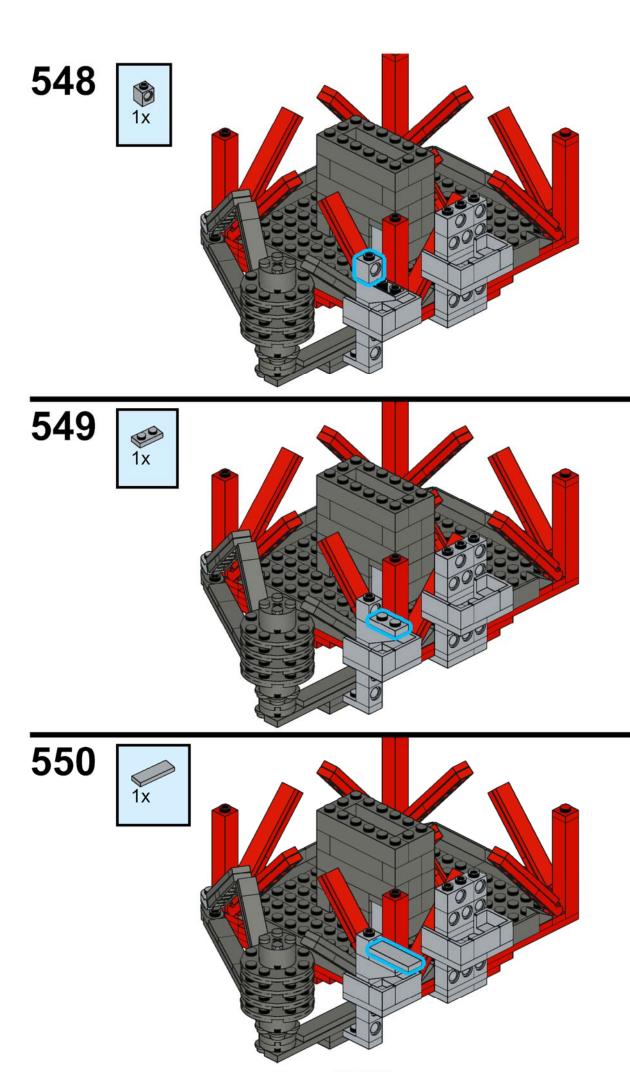


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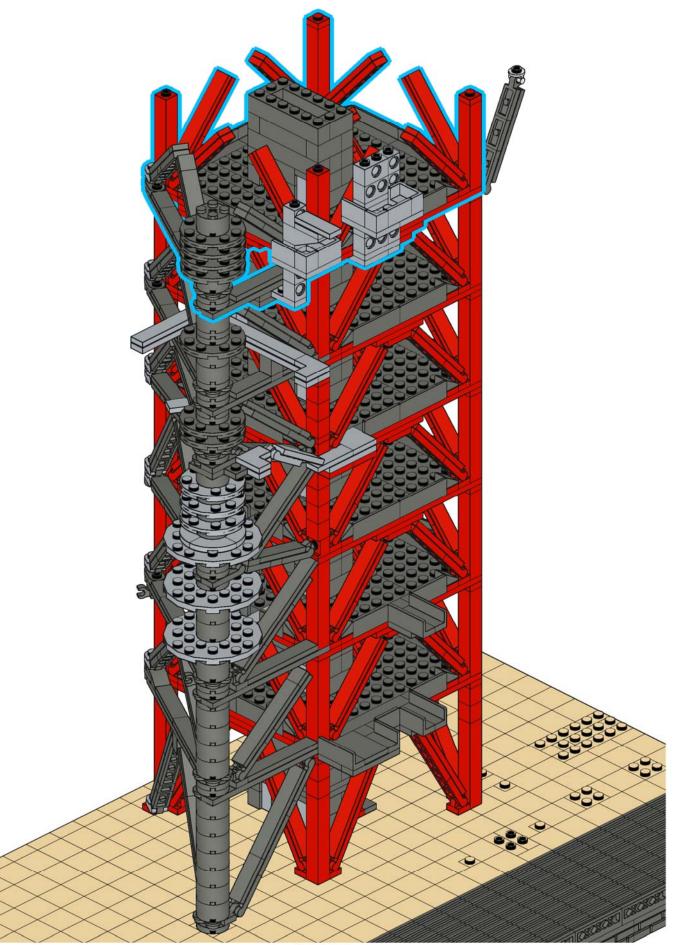


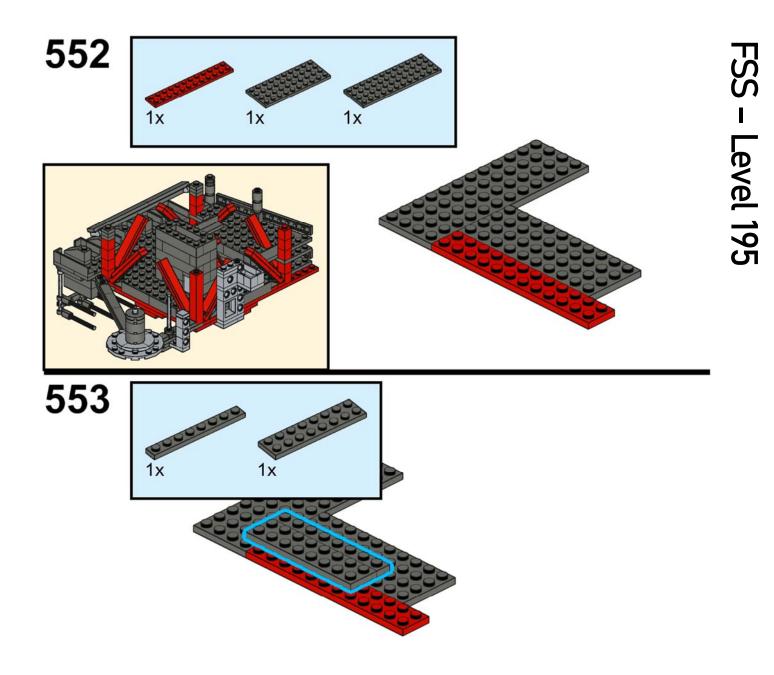


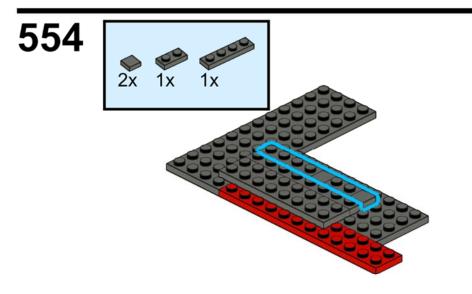
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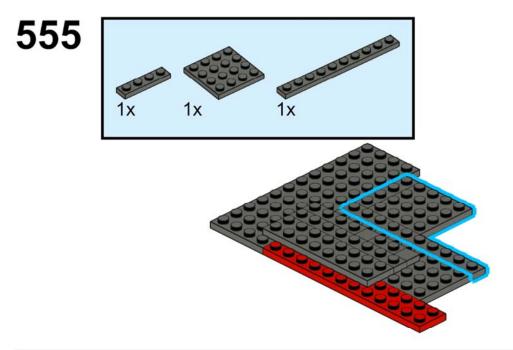


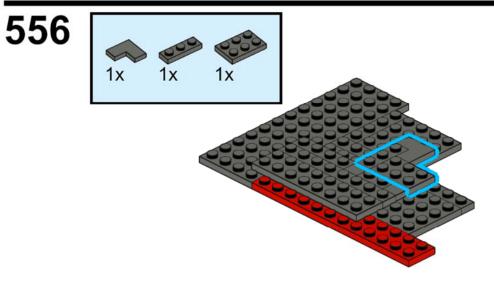
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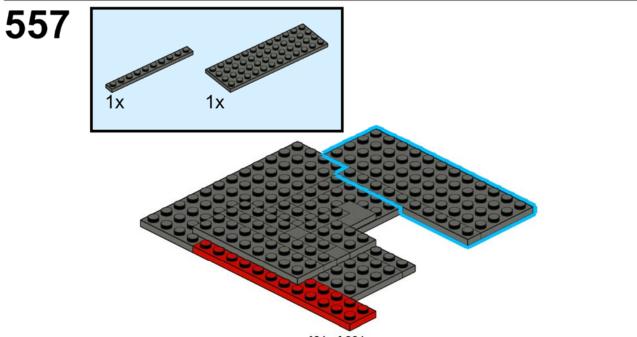




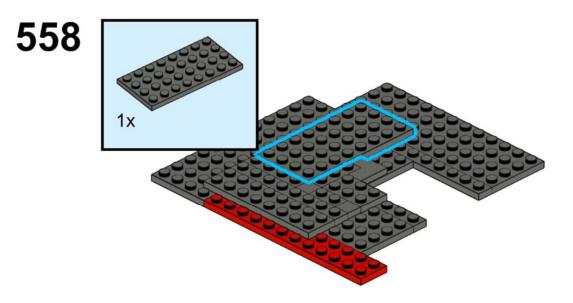


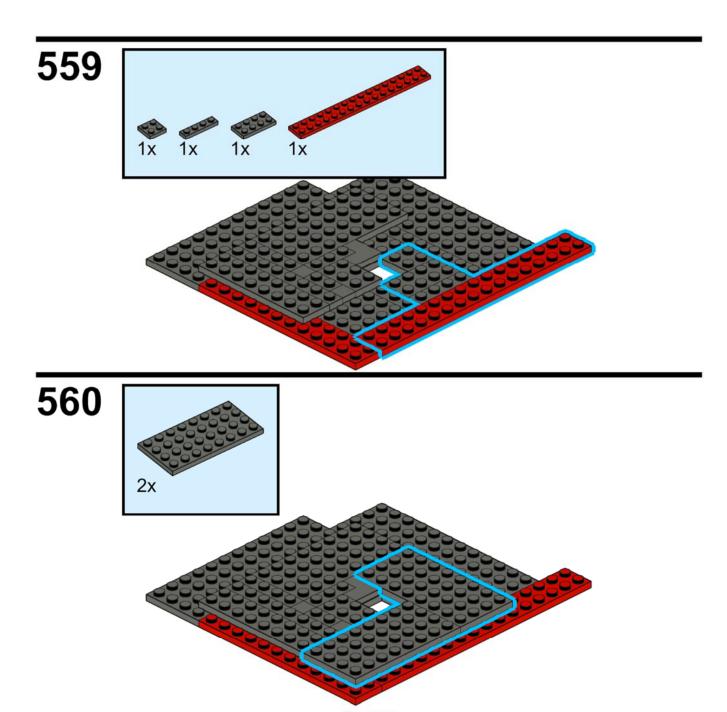


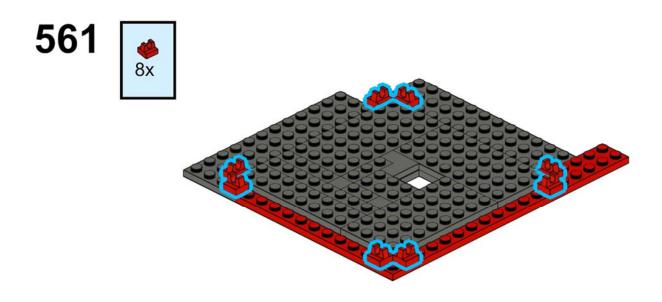


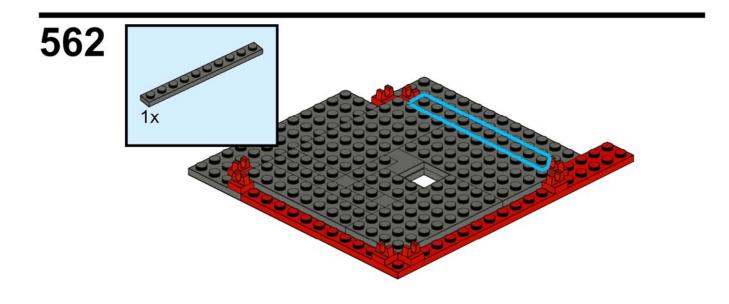


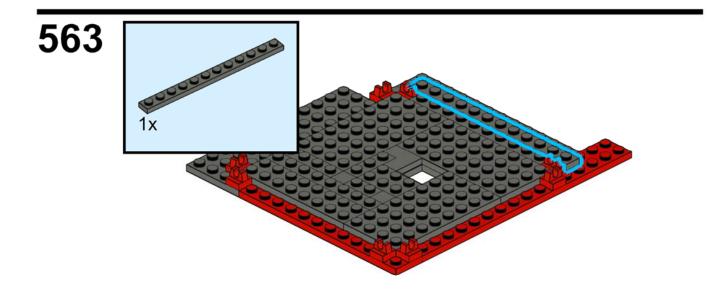
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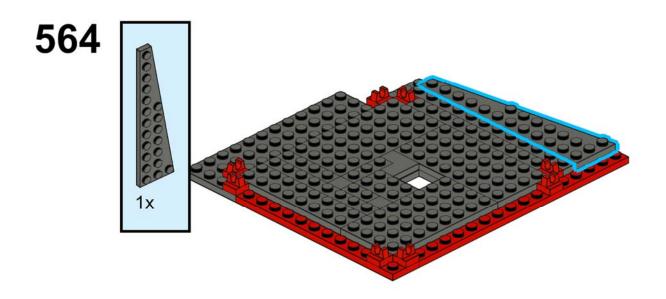


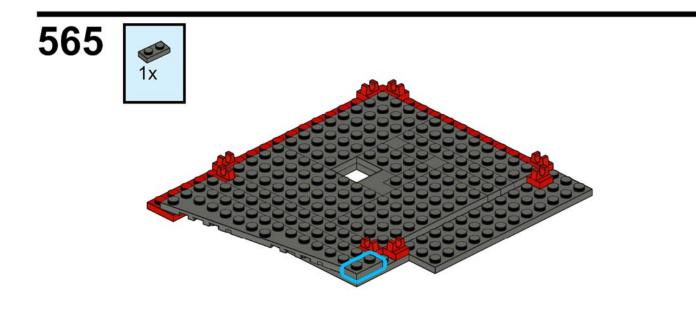


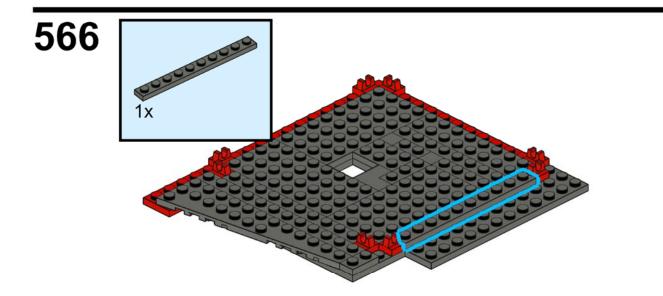


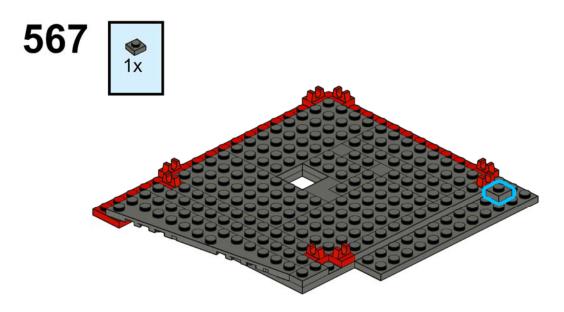


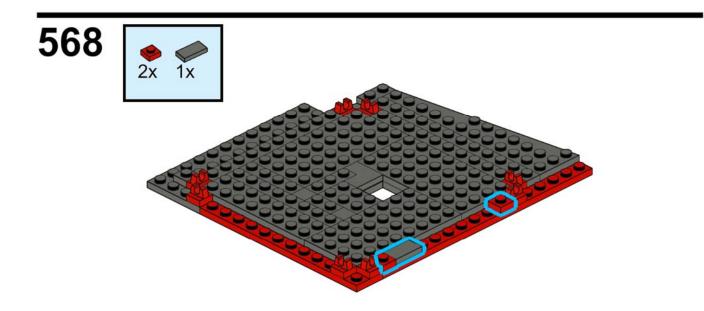


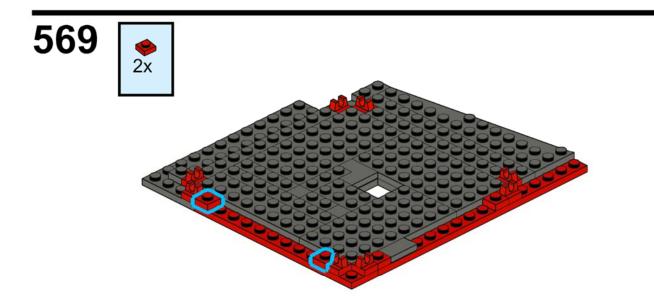


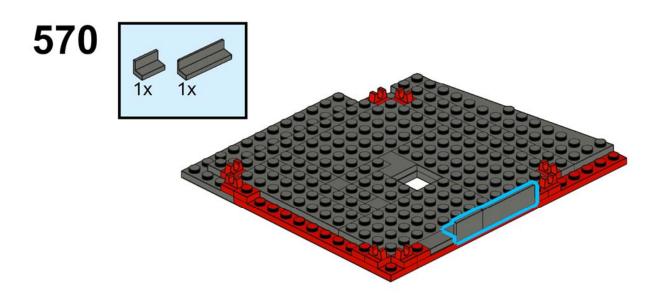


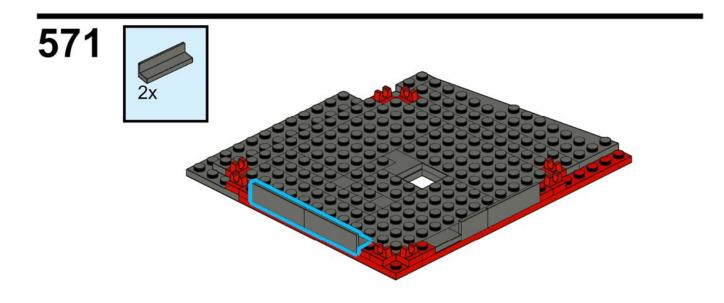


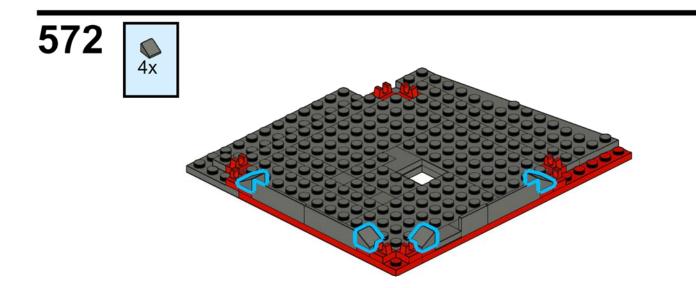


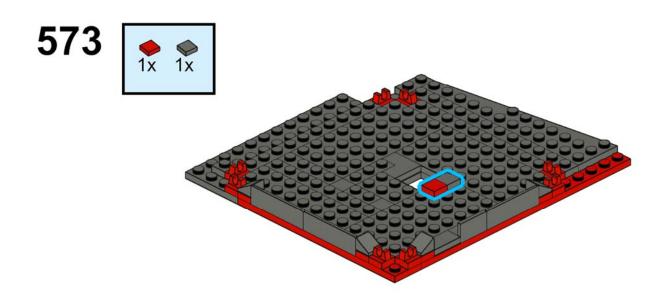


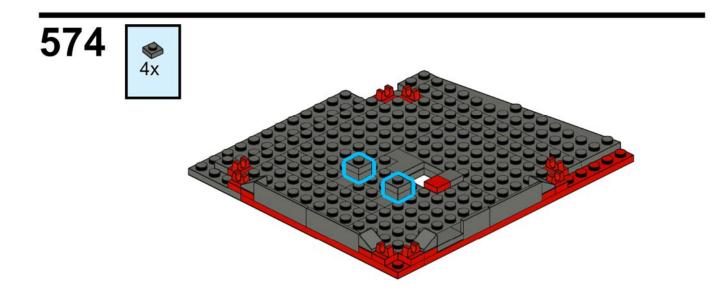


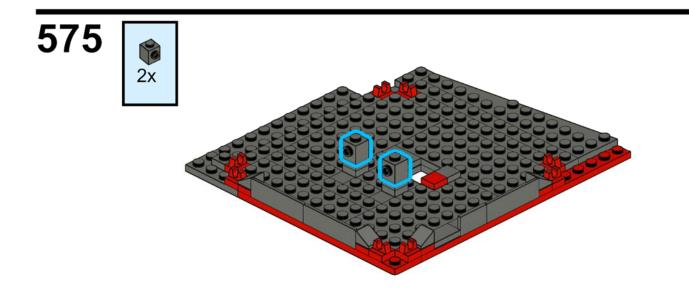


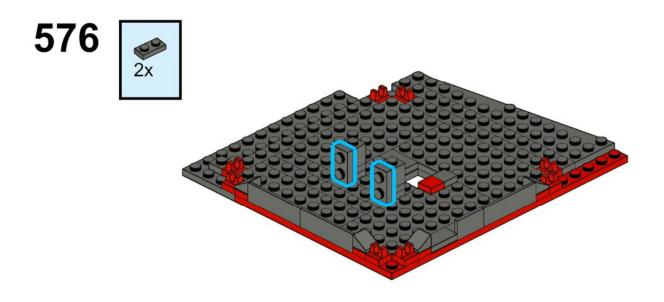


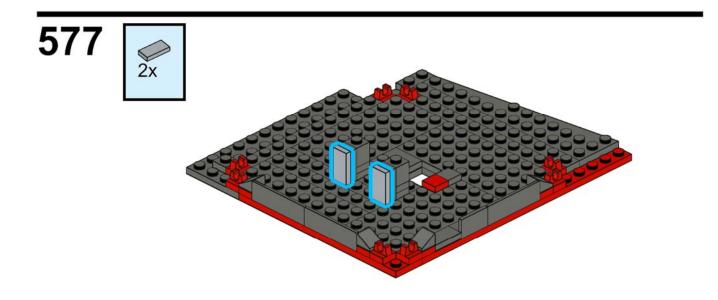


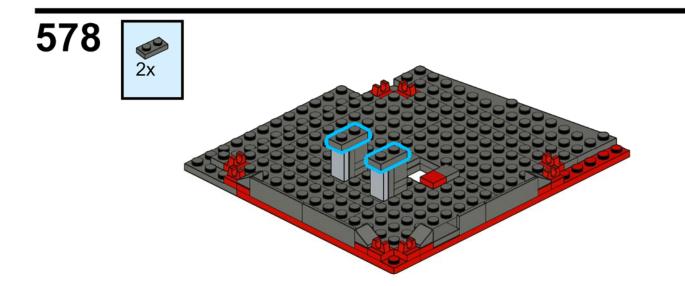


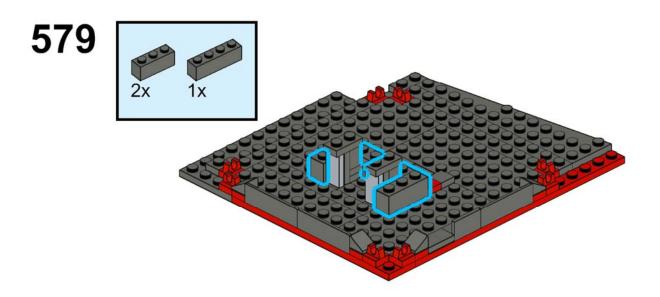


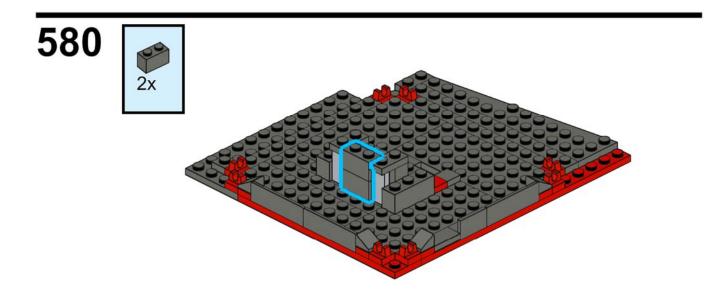


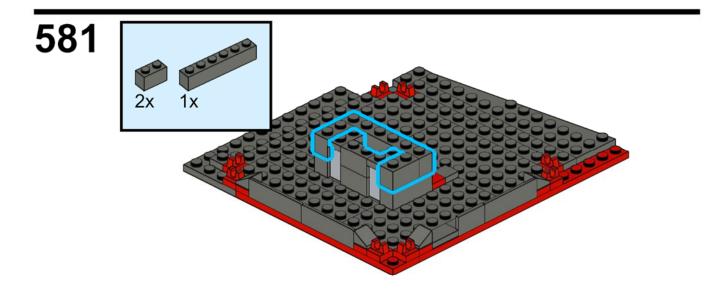


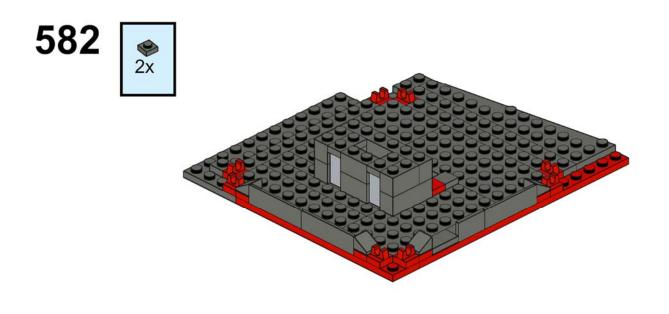


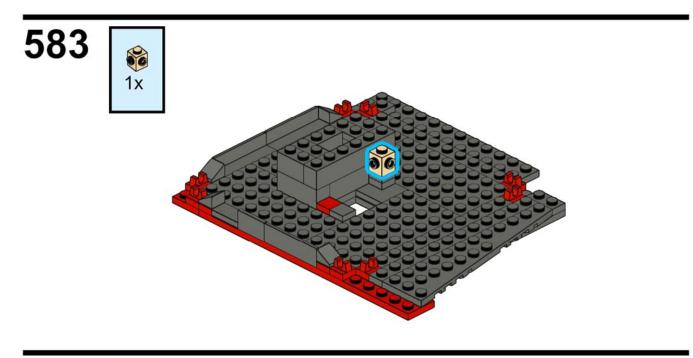


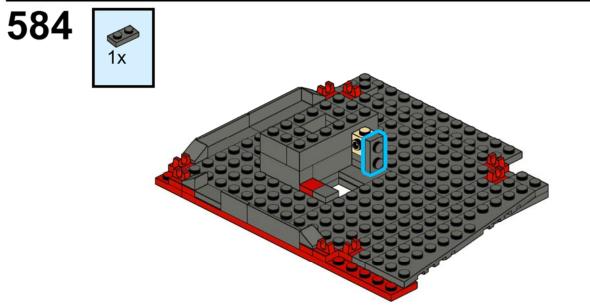


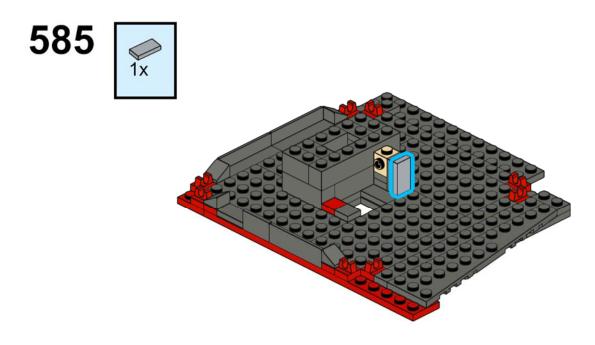


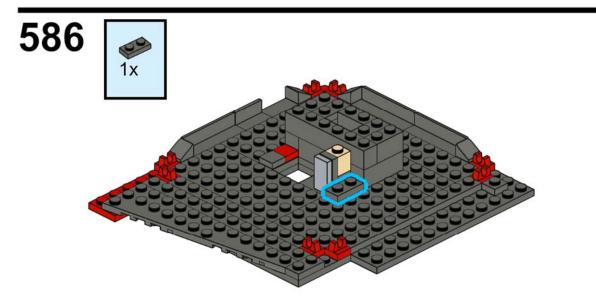


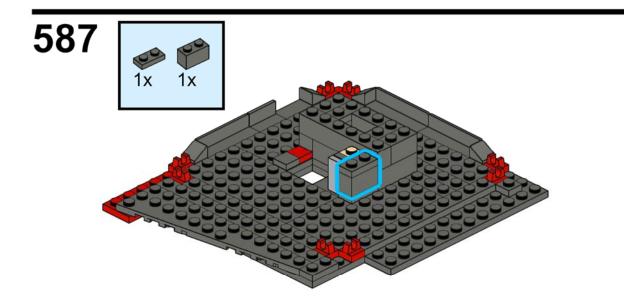


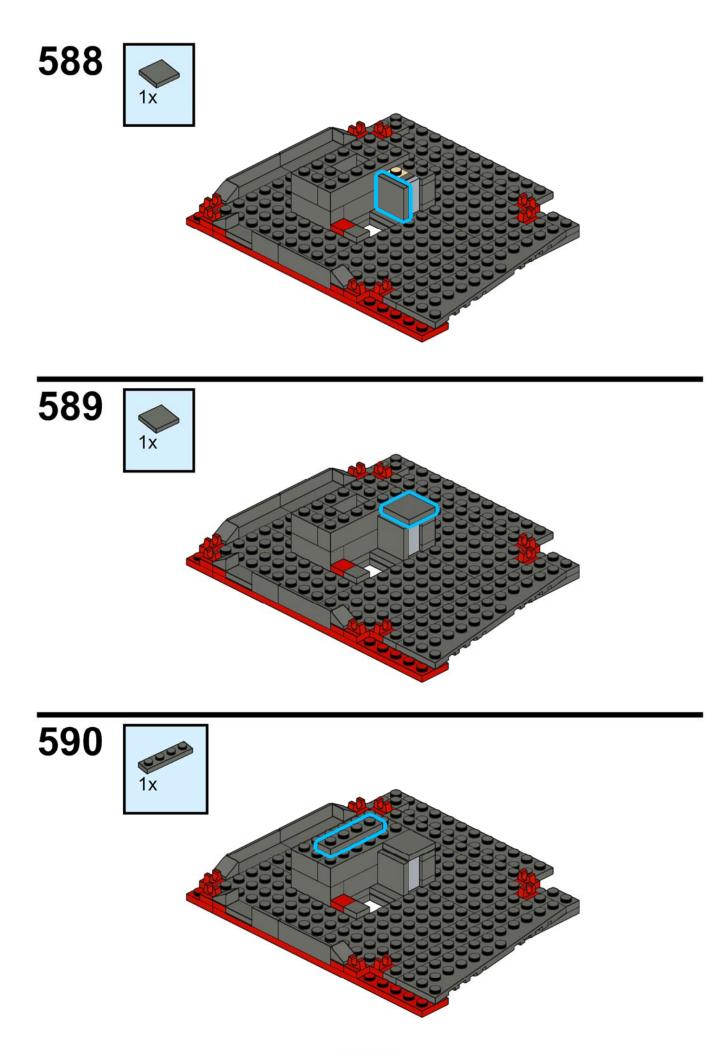


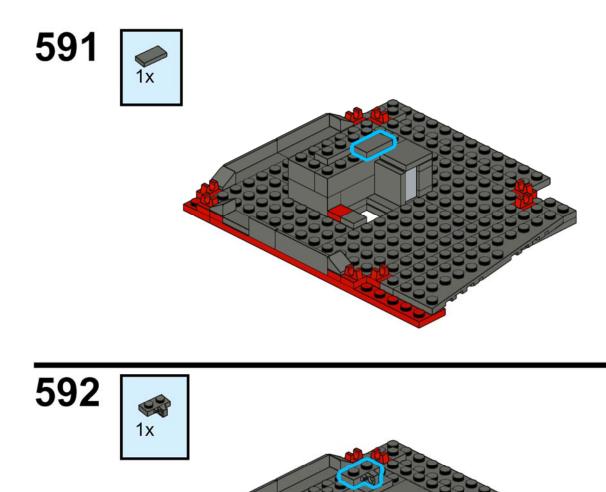


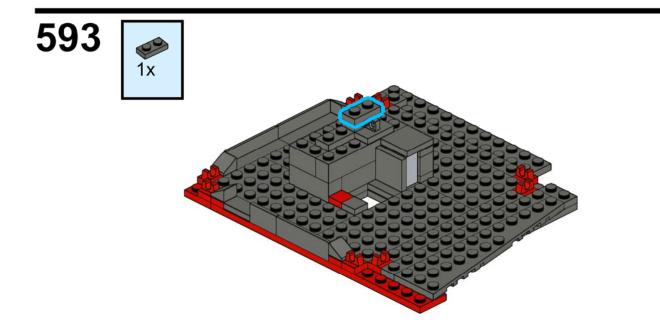


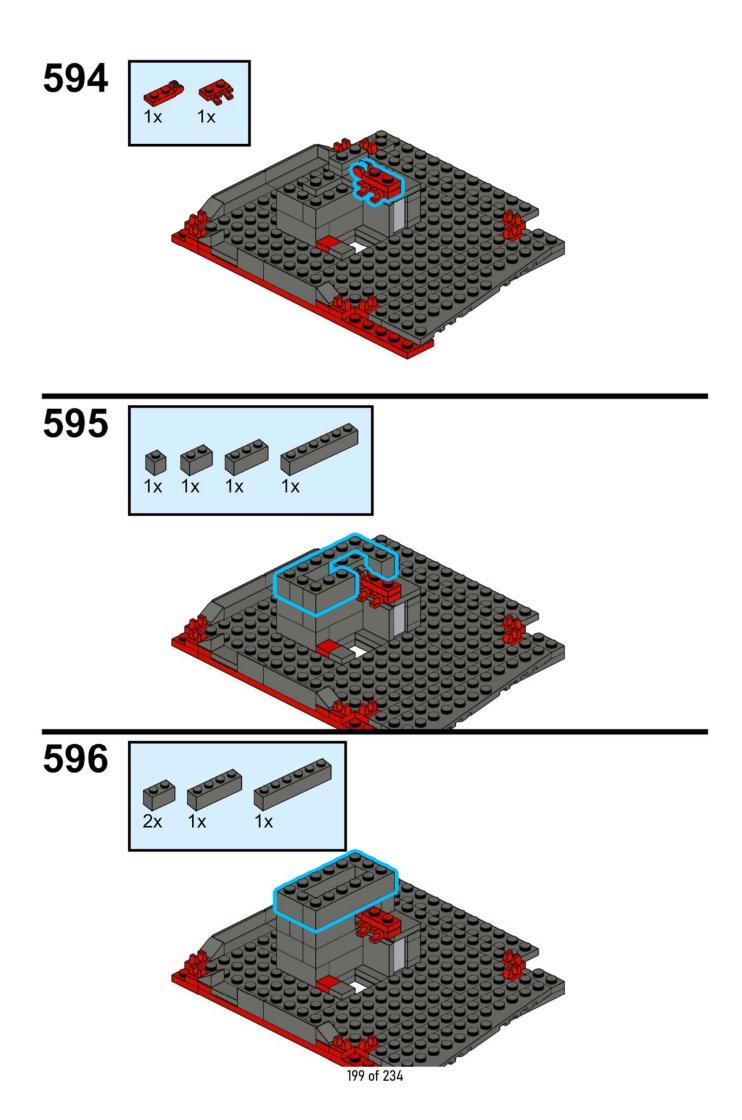


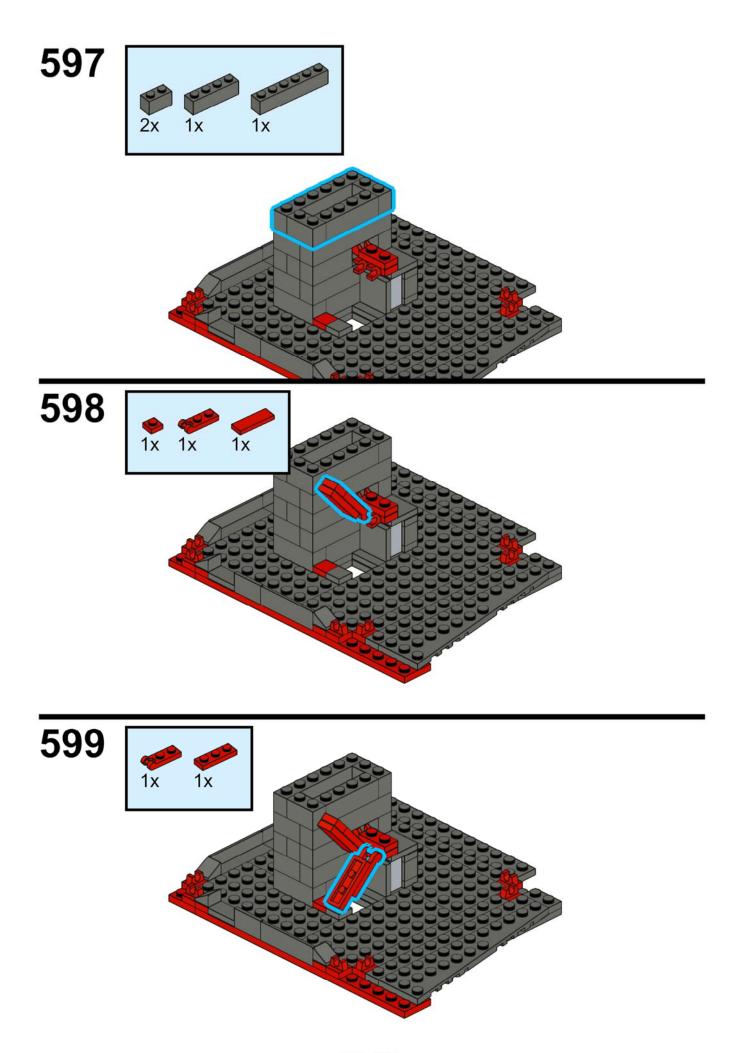


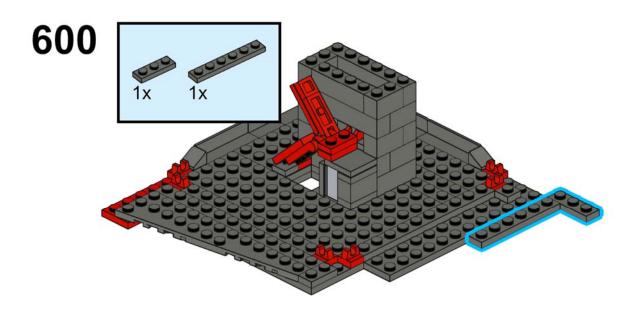


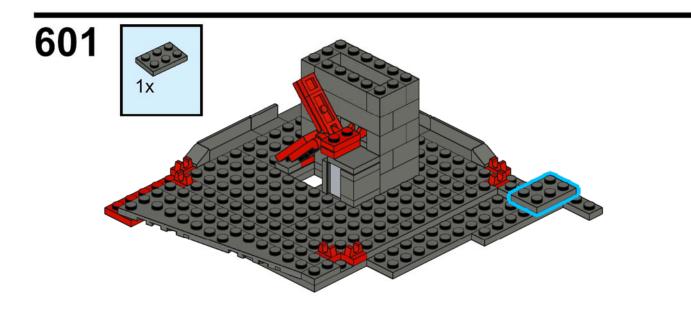


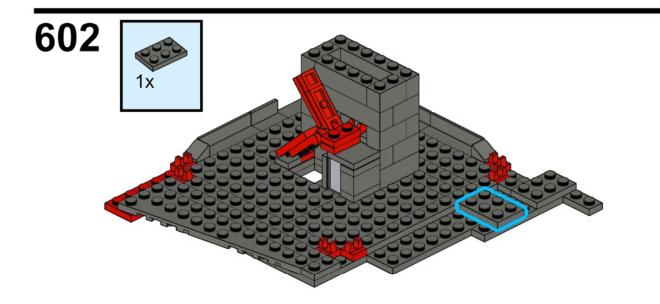


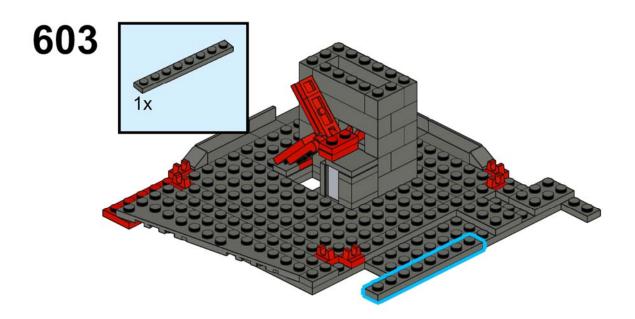


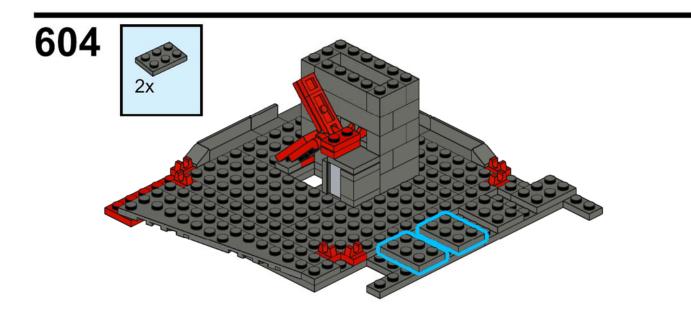


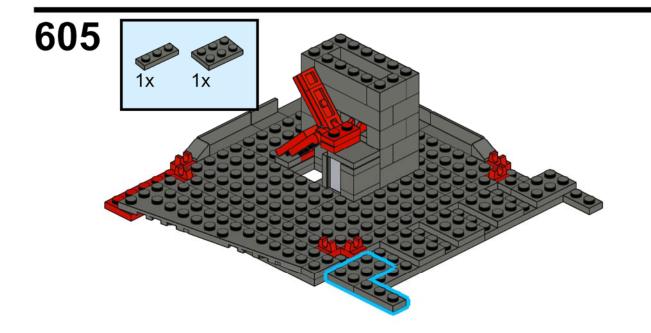


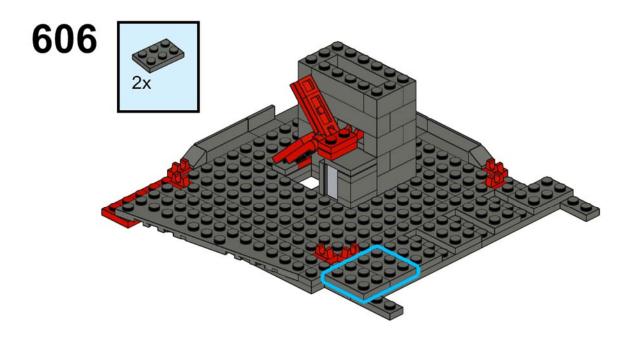


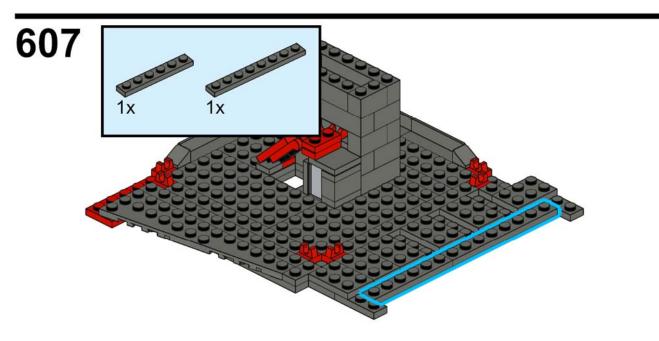


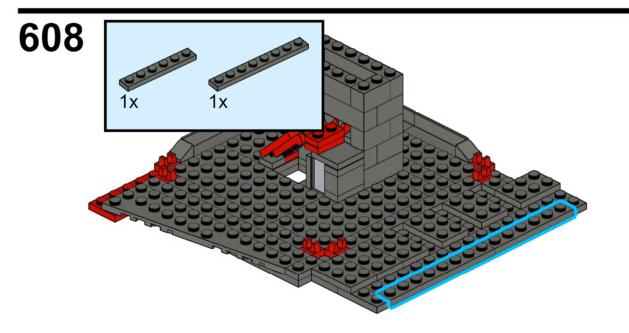


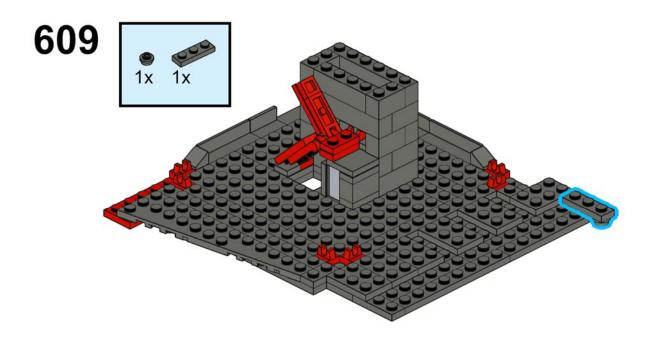


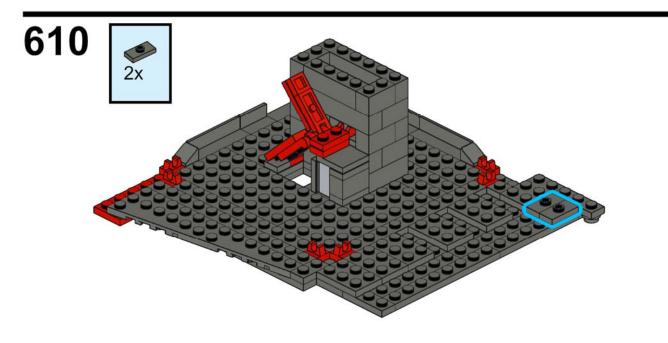


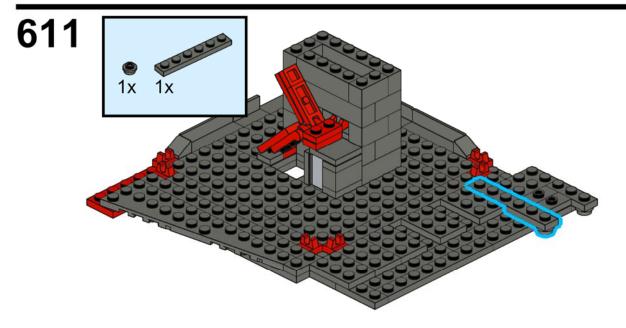


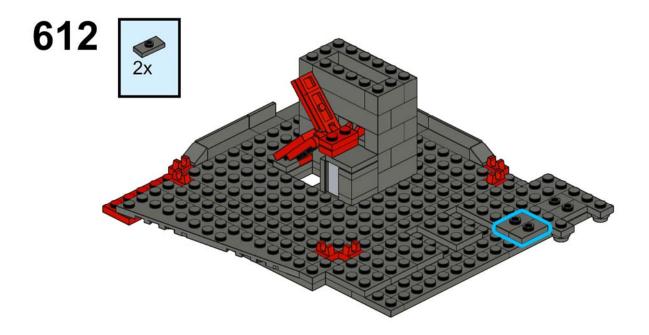


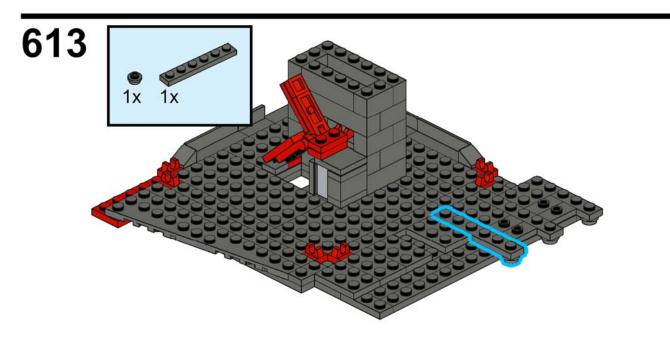


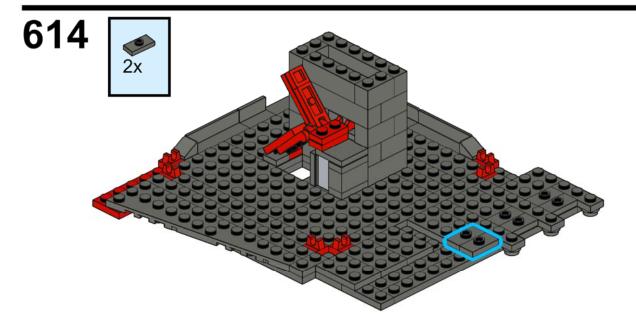


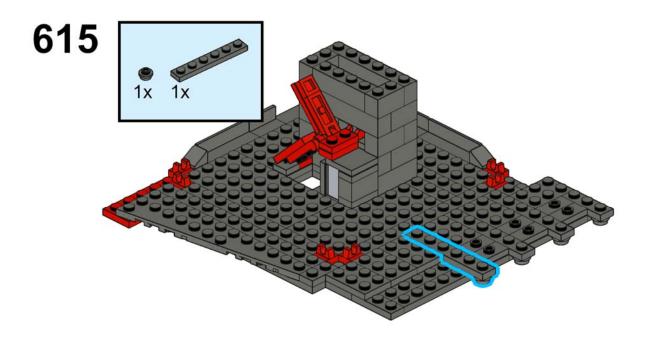


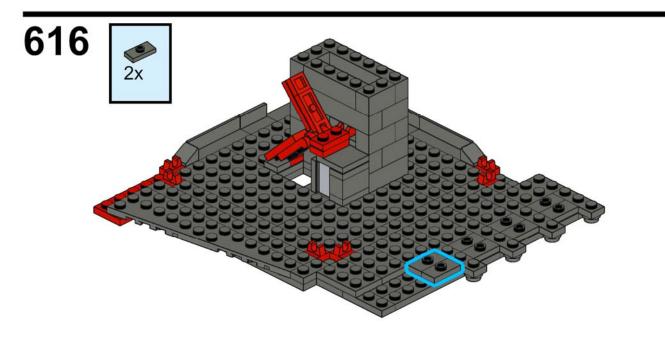


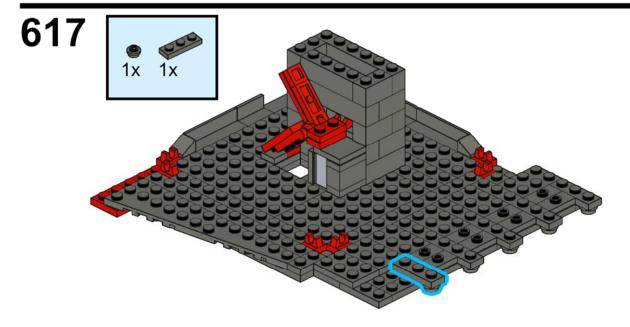


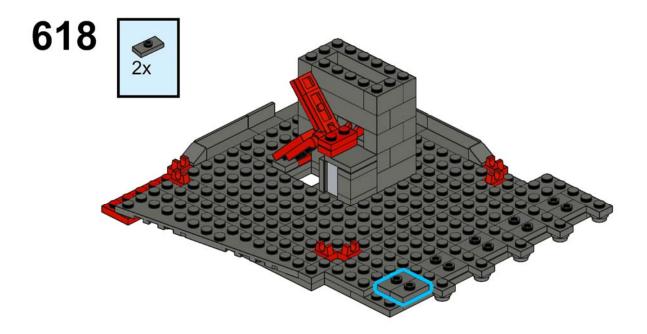


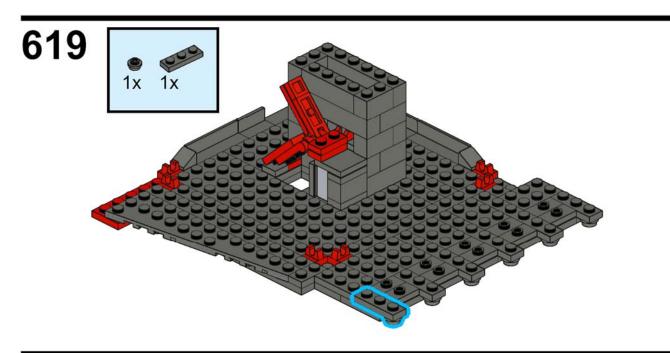


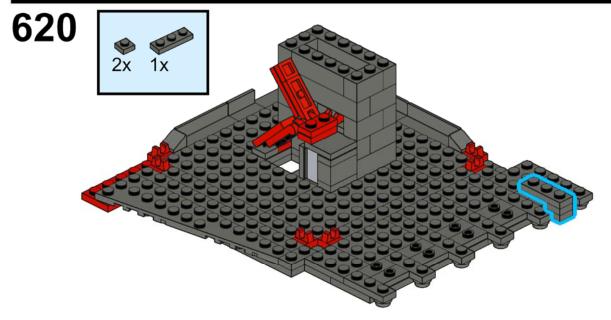


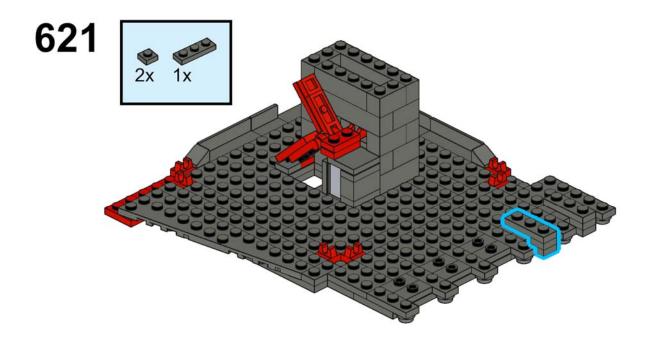


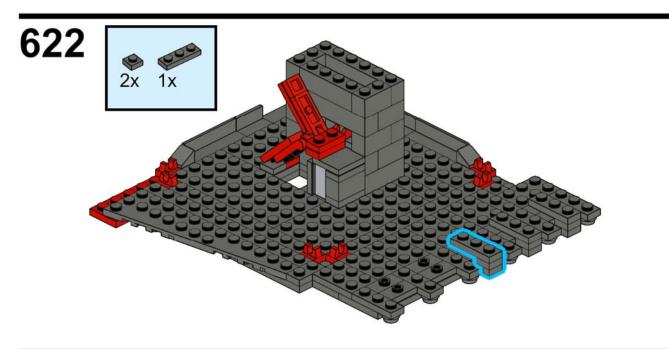


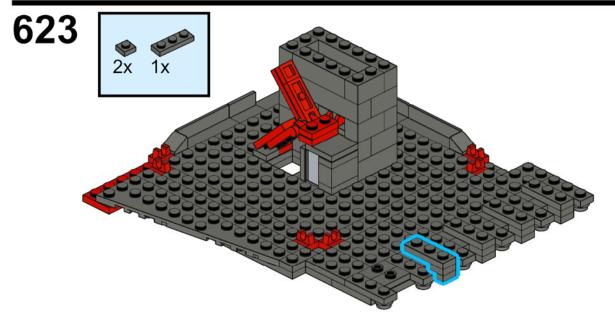


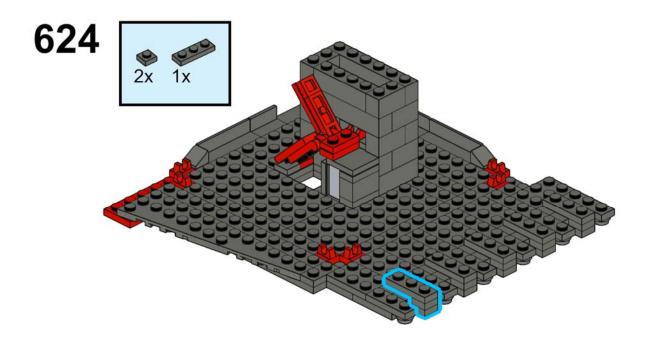


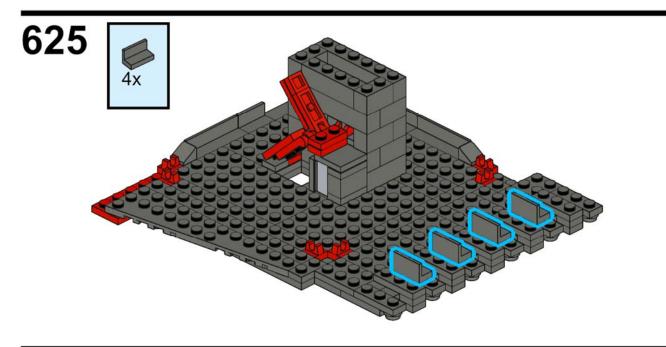


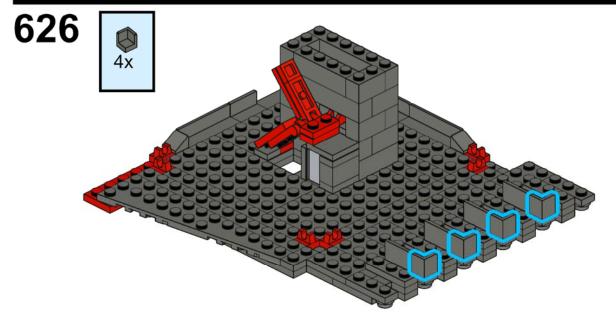


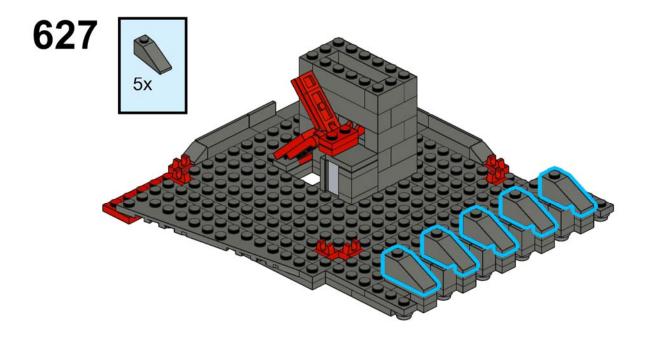


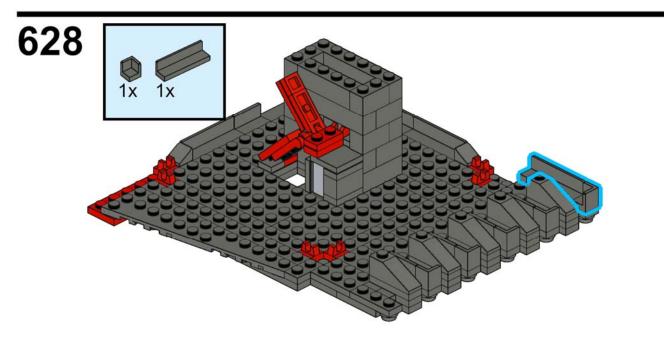


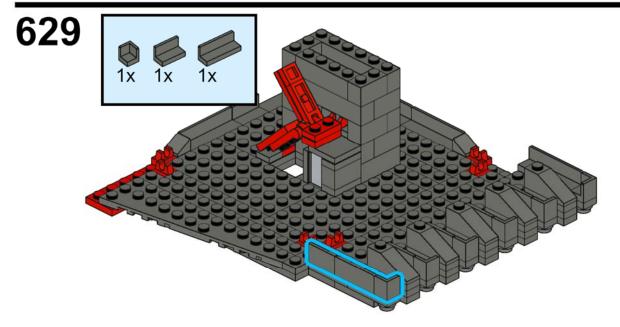


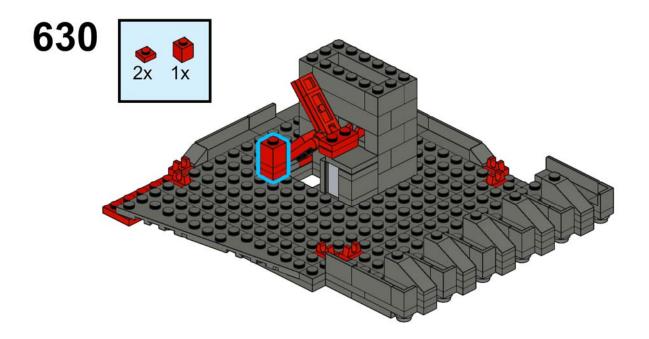


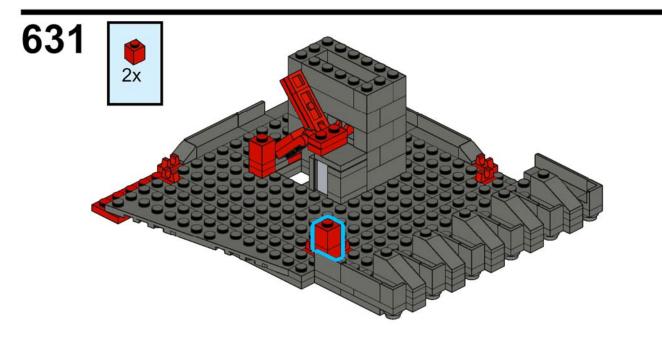


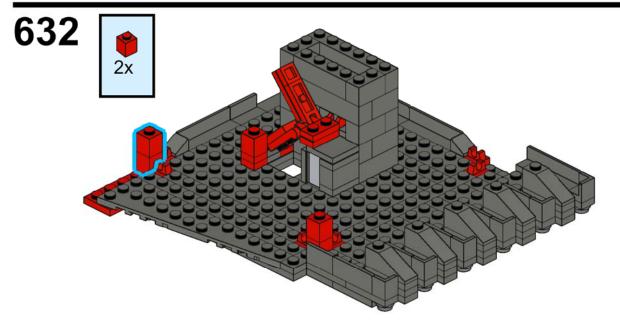


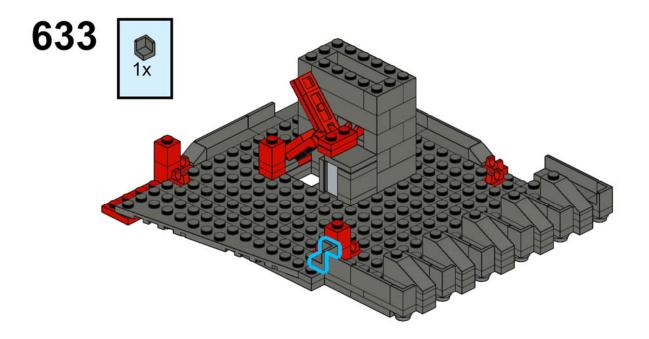


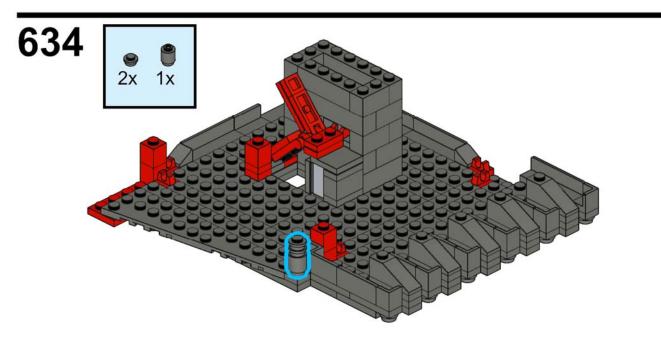


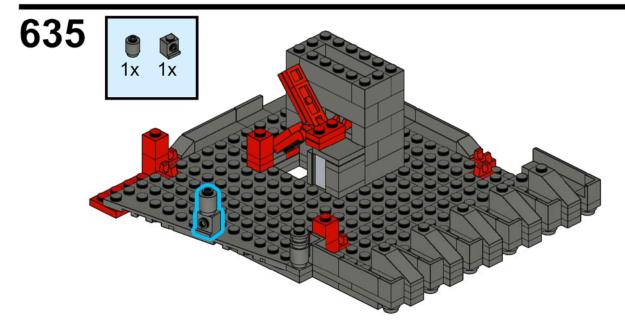


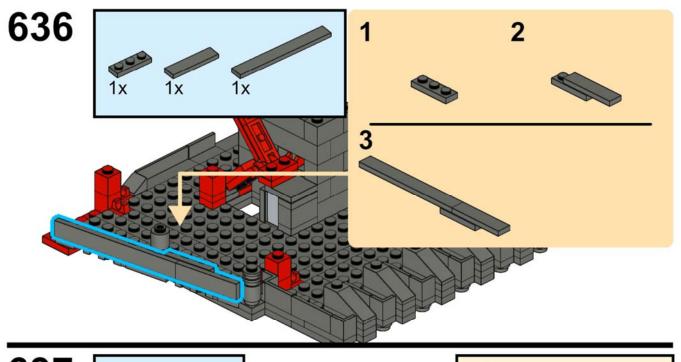


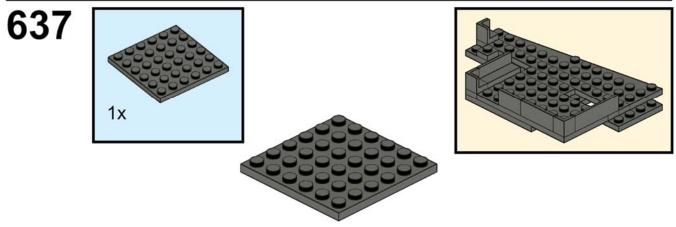


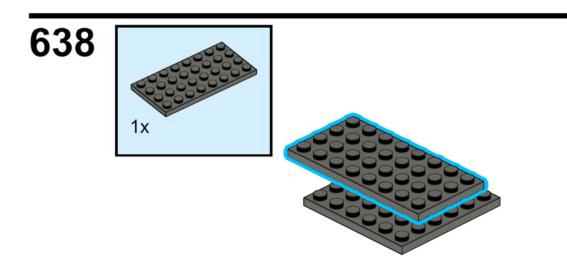


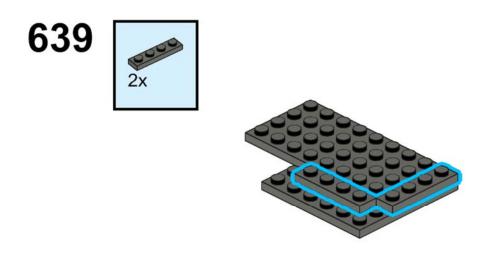


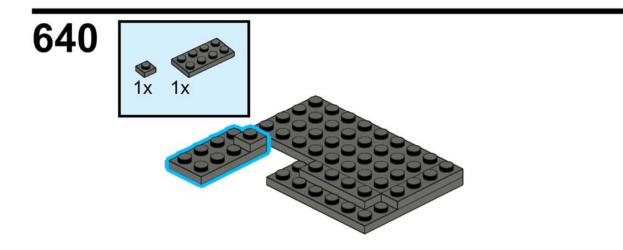


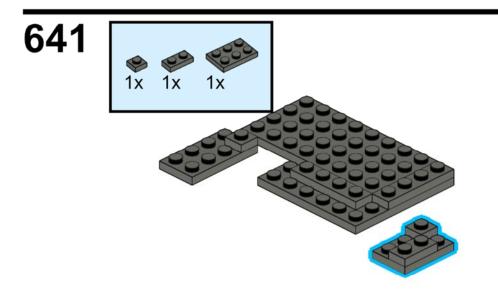


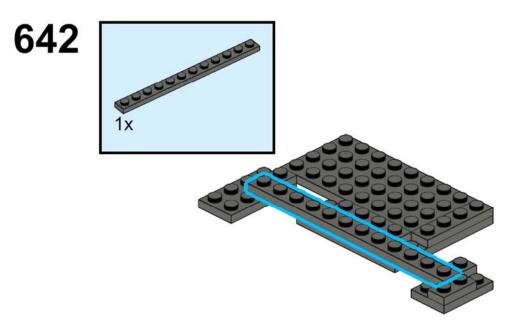


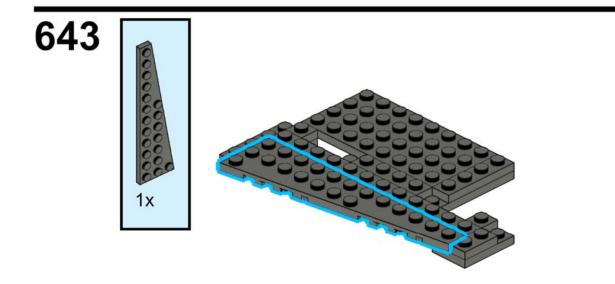


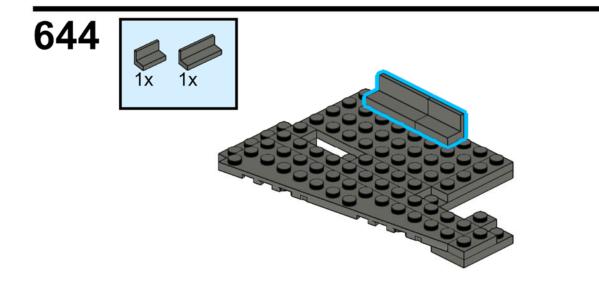


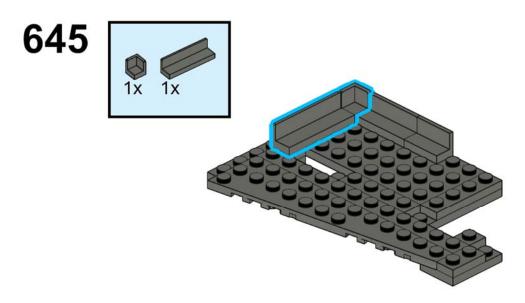


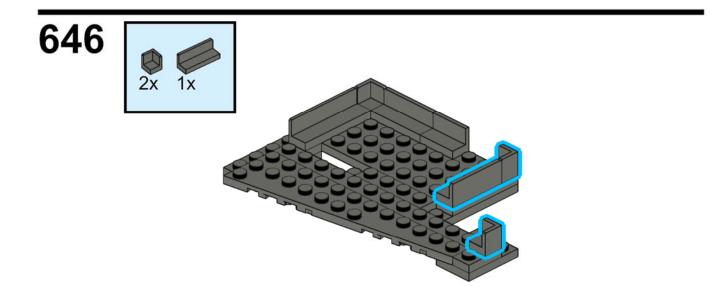


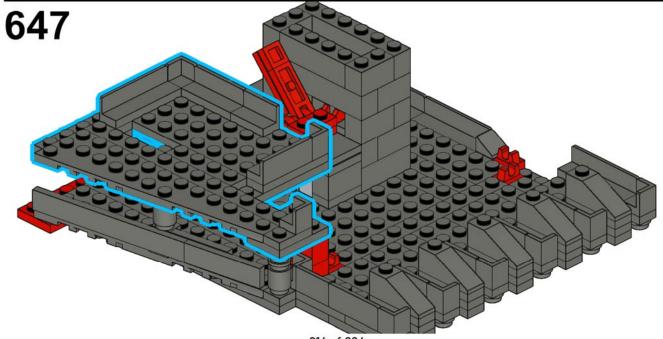




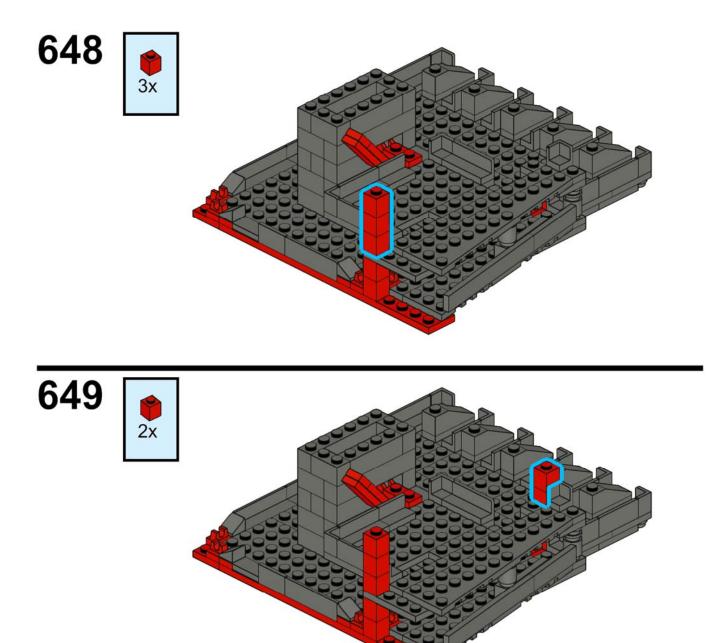


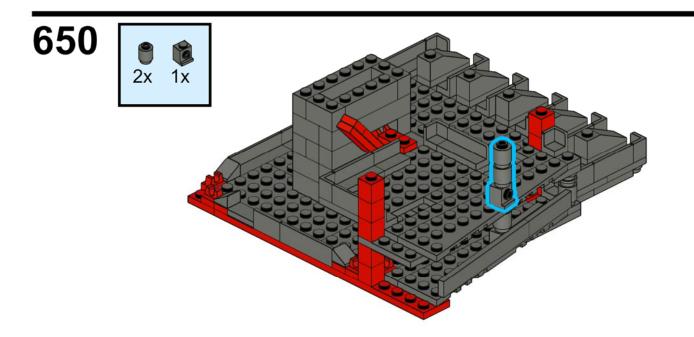


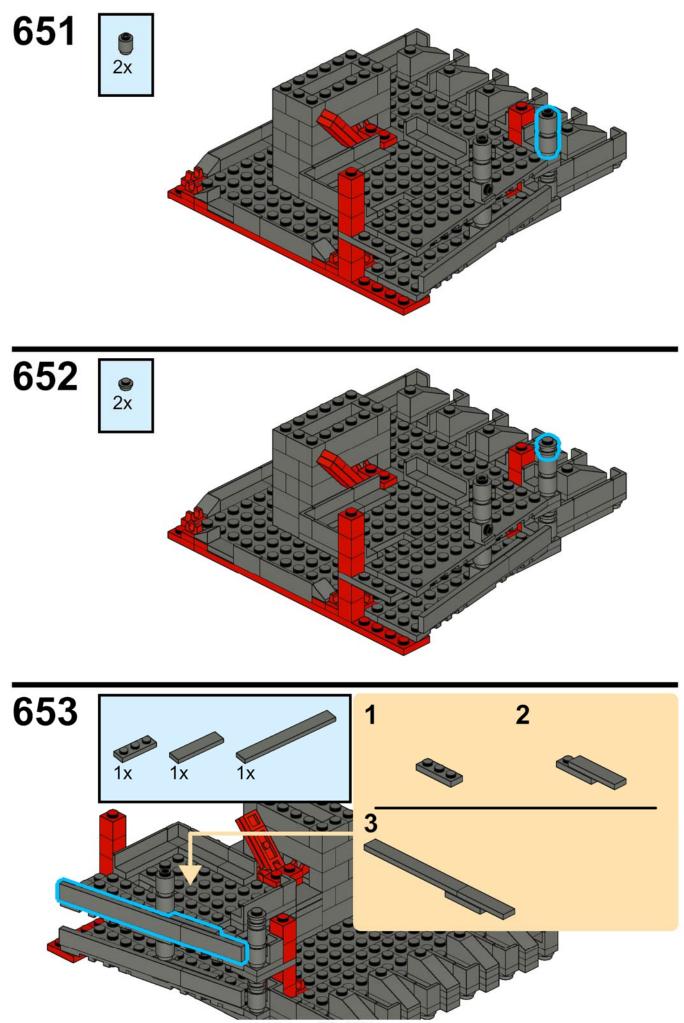




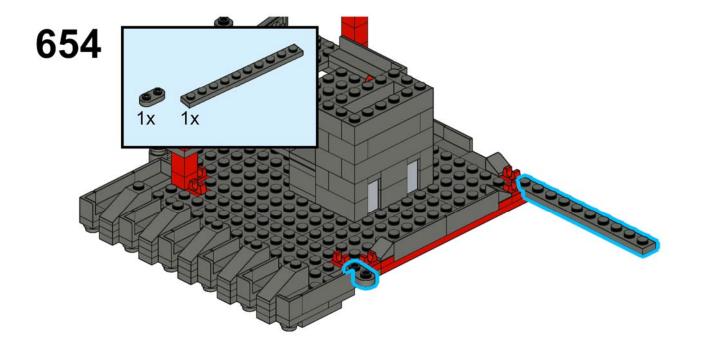
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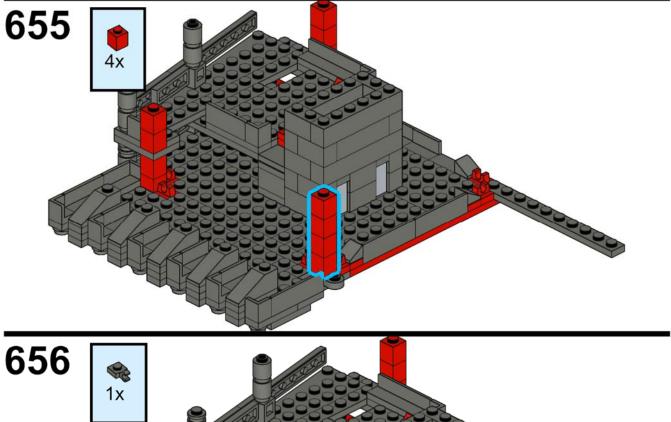


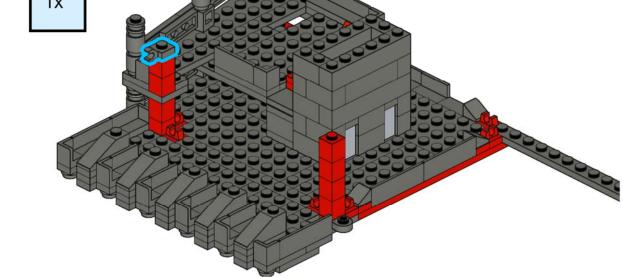




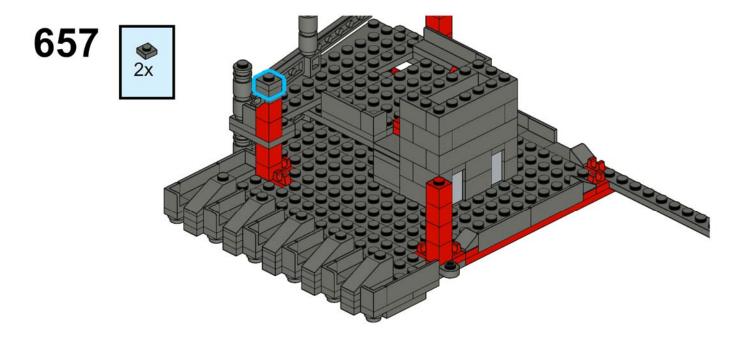
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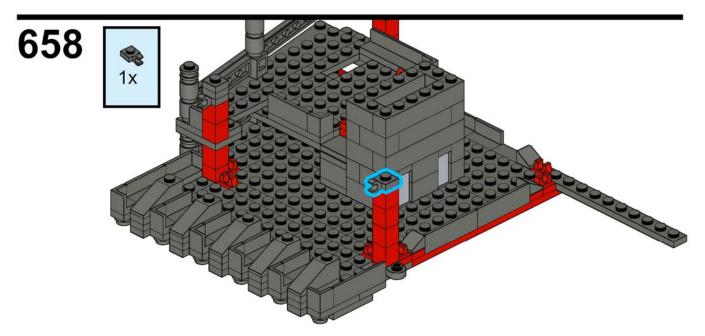


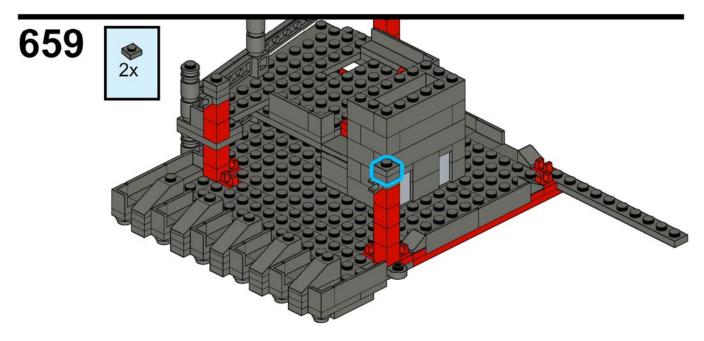


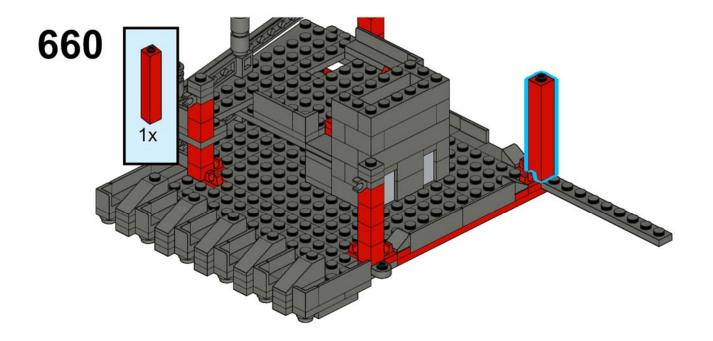


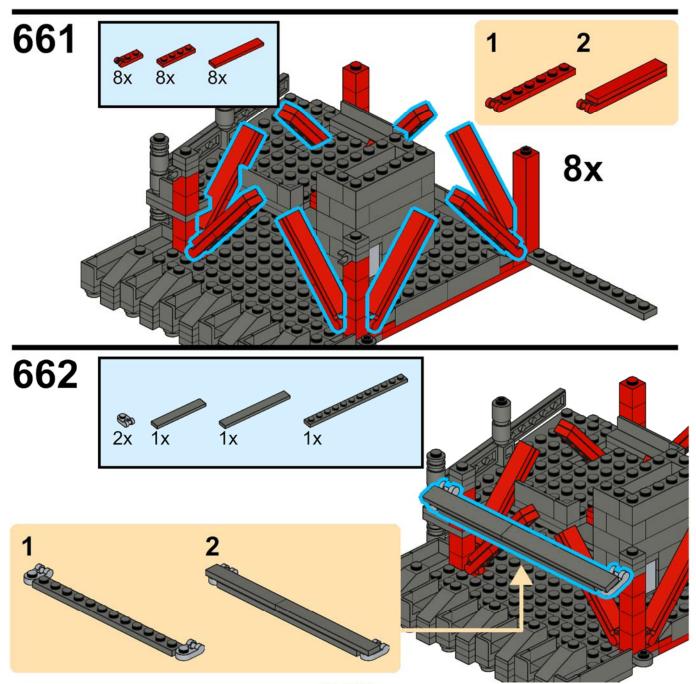
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