

NASA Vehicle Assembly Building (VAB)

Original design by Eiffleman (Grant Passmore) and enhanced by Tim Winters.

This version is my interpretation of their designs set in the Apollo era. It incorporates best aspects of both versions plus several adjustments of my own. Most of my adjustments were on the LCC, the low bay area, the surrounding lawn area and the Saturn V. Also included additional transfers.

Modifications to enhance details that require painting, applying stickers/decals or modifying parts are captured in document VAB_PG_V01_231025_Mod.pdf. Prompts are included in these instructions to refer to modification document. Bill of Materials does not allow for modifications, if you want to follow the modifications then before ordering parts refer to Mods 01, 04, 06 & 08 and adjust order appropriately.

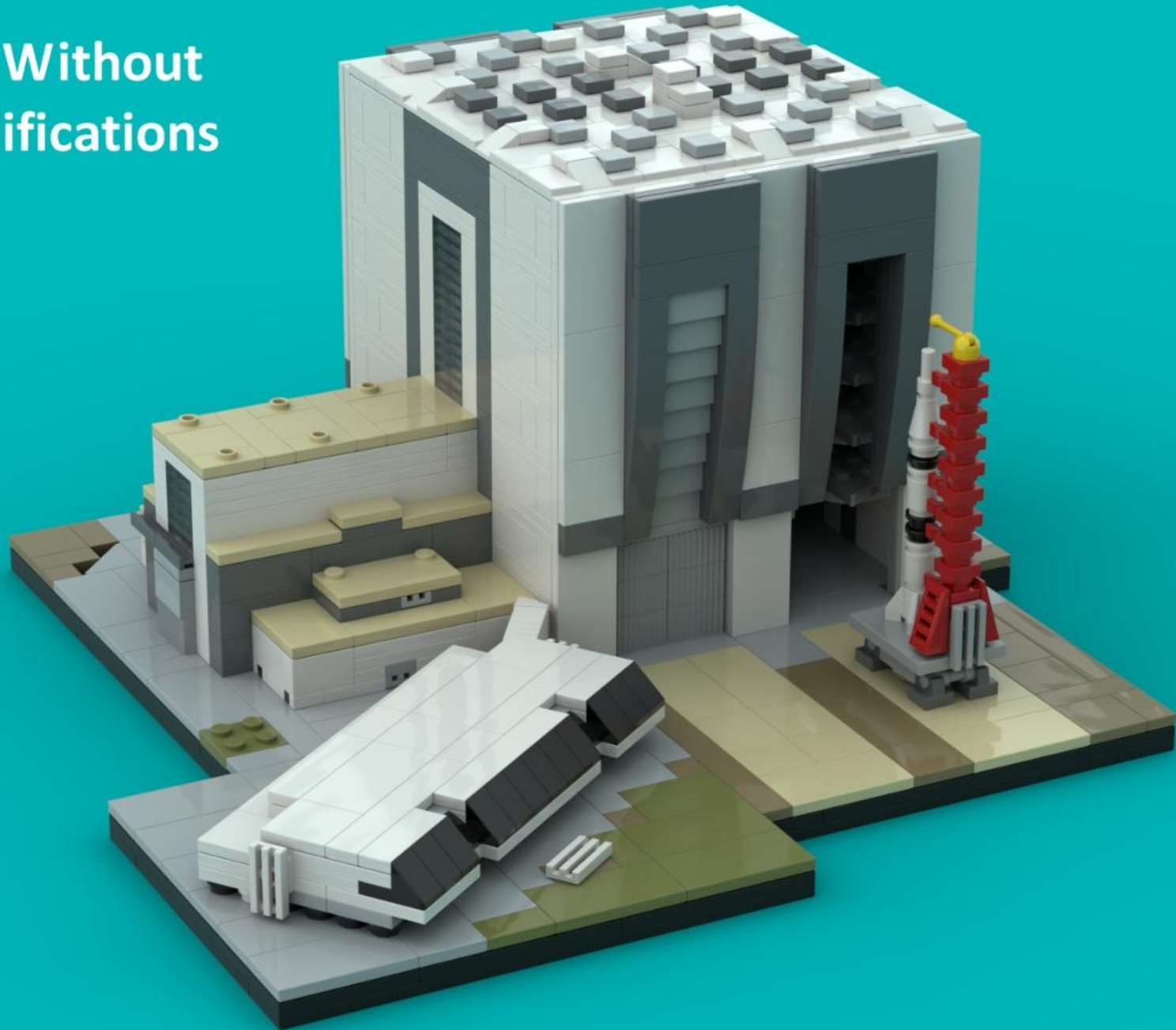
Parts = 1142, Lots = 175

Paul Galea
V01_231025

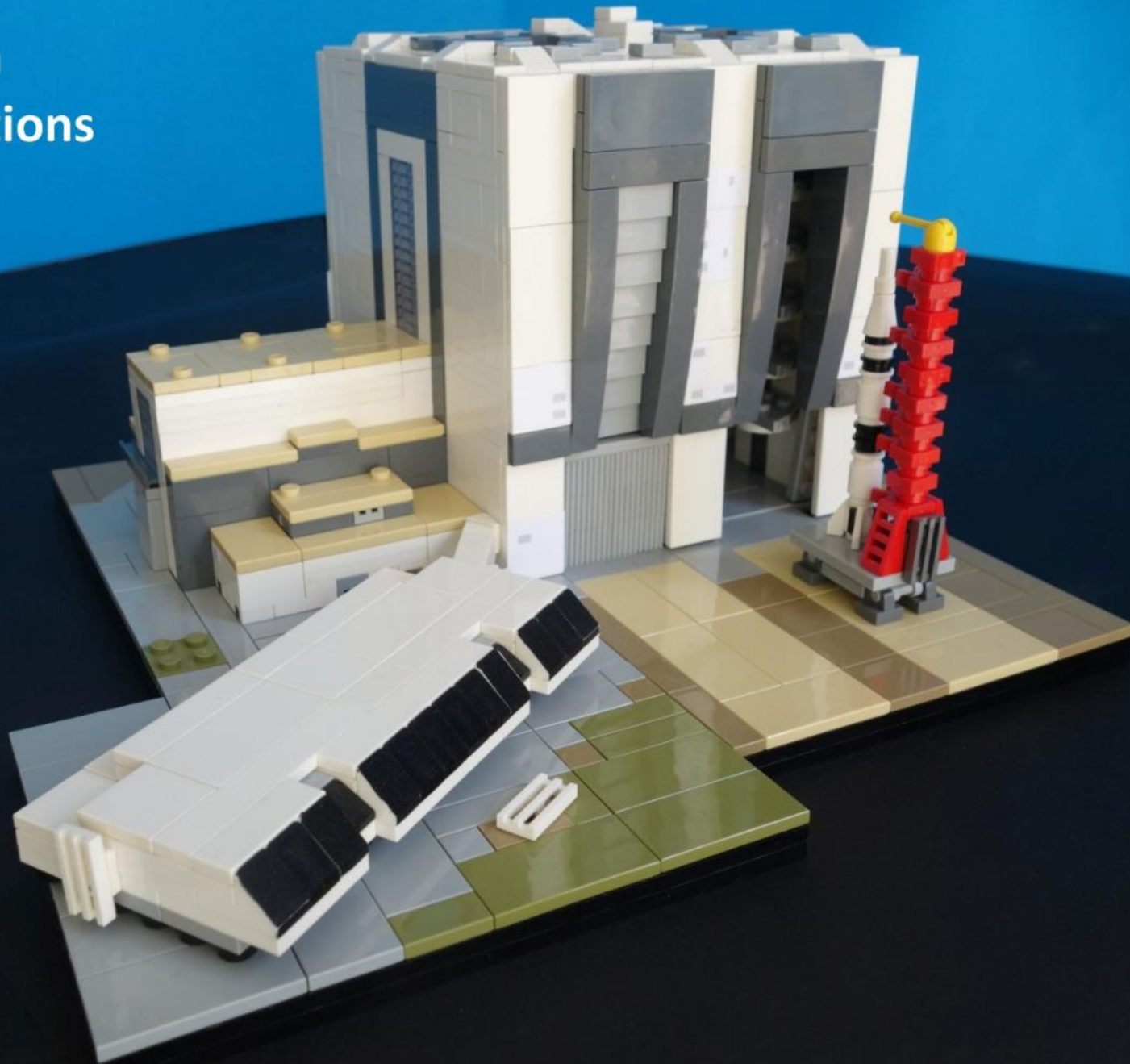
T-8750

Enjoy!

VAB Without Modifications



VAB With Modifications



MOC Lineage

10/03/2017

Lego Idea Submission by Eiffleman (Grant Passmore)

<https://ideas.lego.com/projects/cedb0297-eb89-4952-a5f7-c2c1814ebb48/updates>



17/04/2019

Facebook, included Launch Control Center by Eiffleman

<https://www.facebook.com/download/preview/426931881435569/>



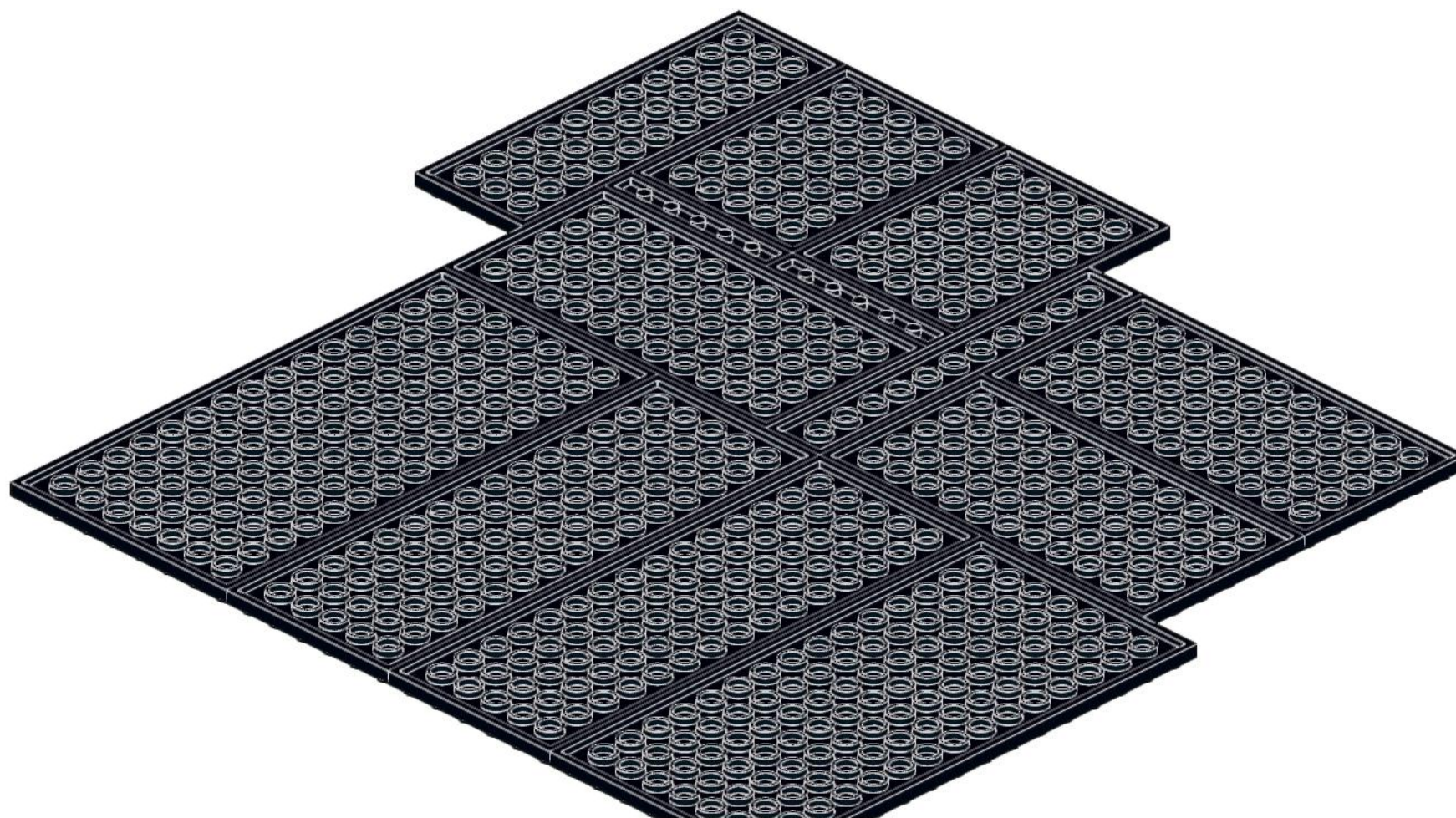
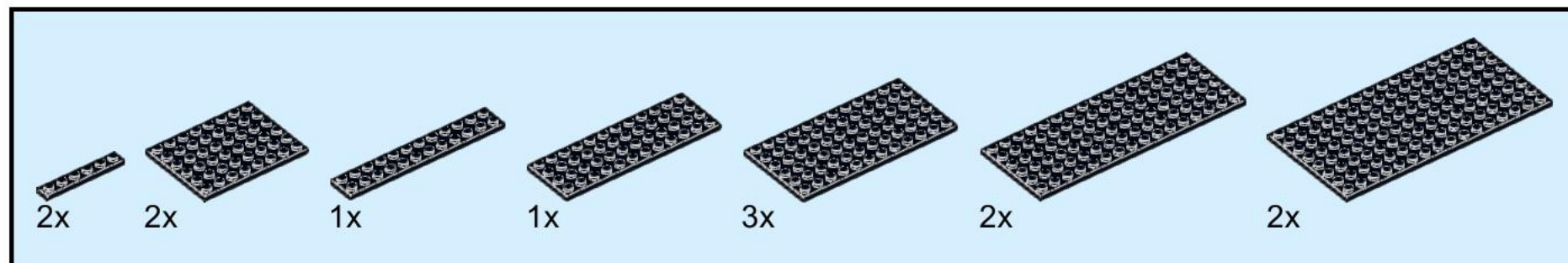
27/01/2022

Facebook, By Tim Winters, adjusted dimensions of building, windows, sliding doors and roof to improve relative dimensions of major elements.

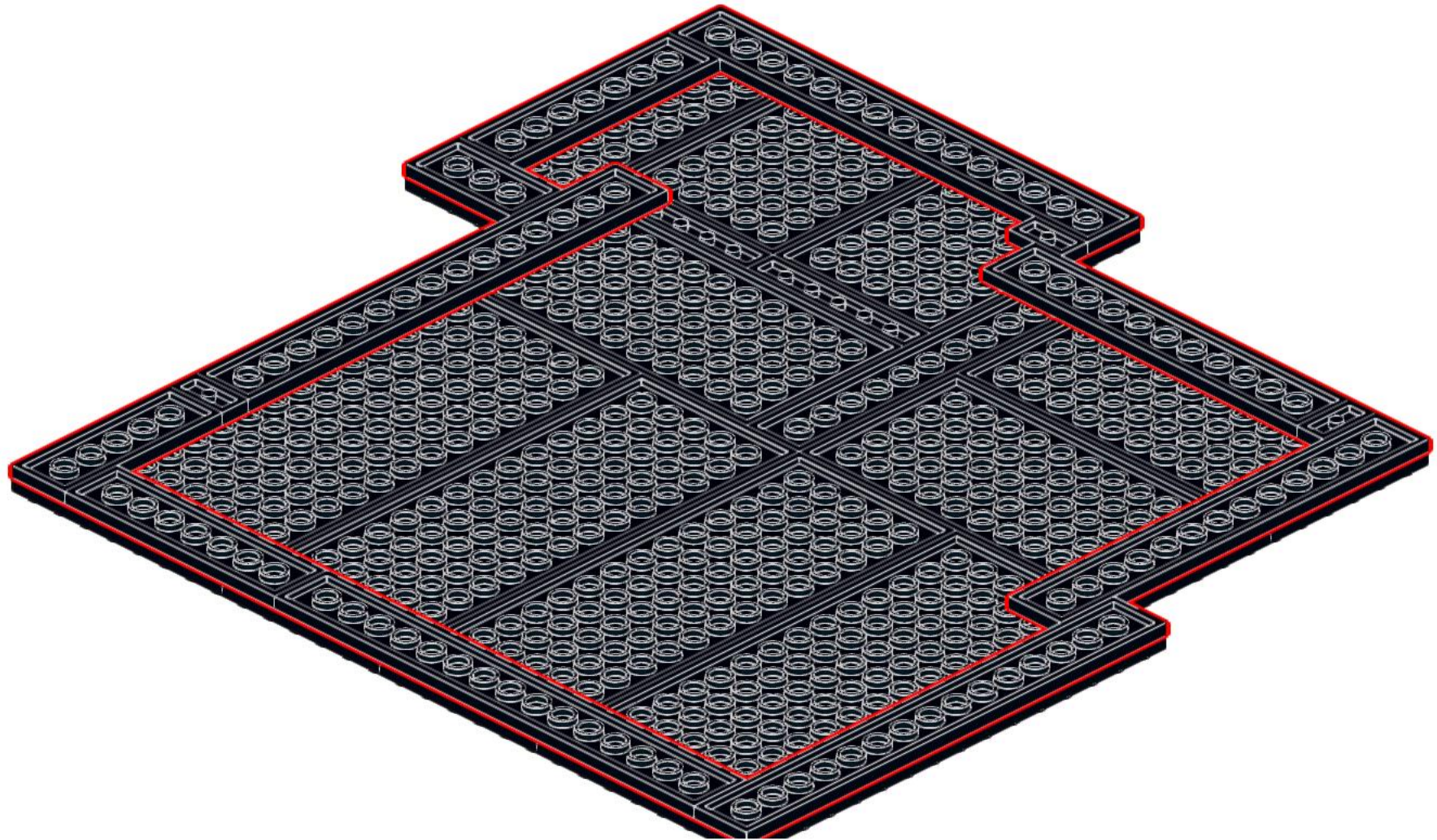
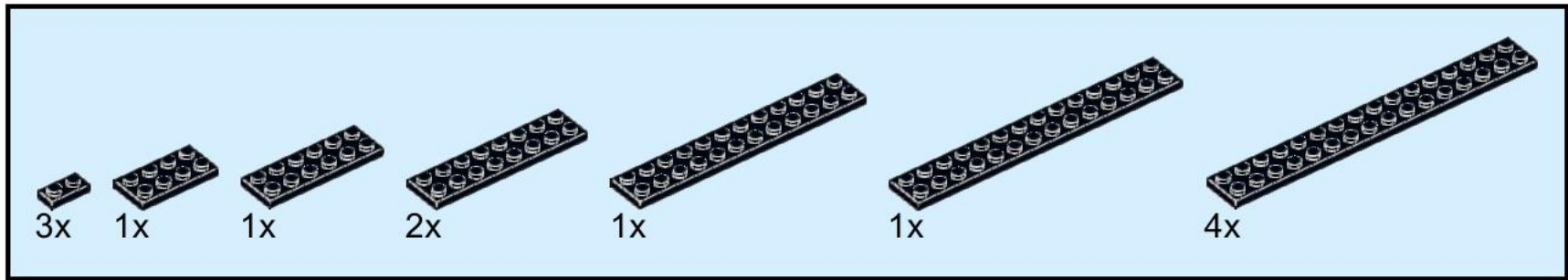
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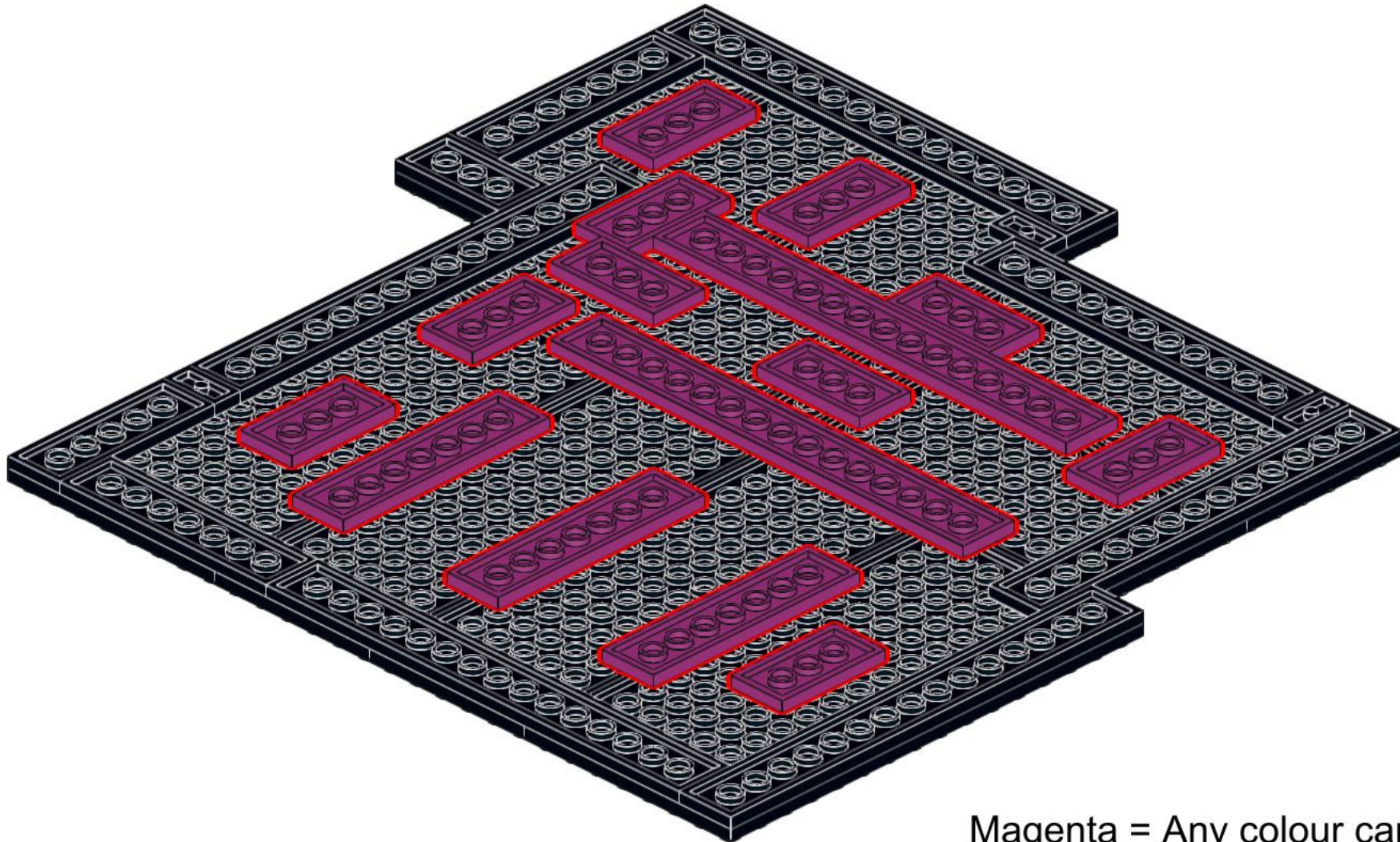
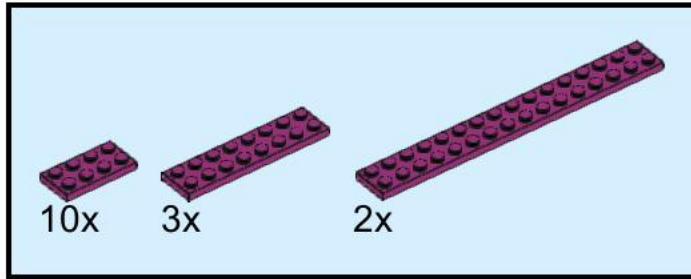
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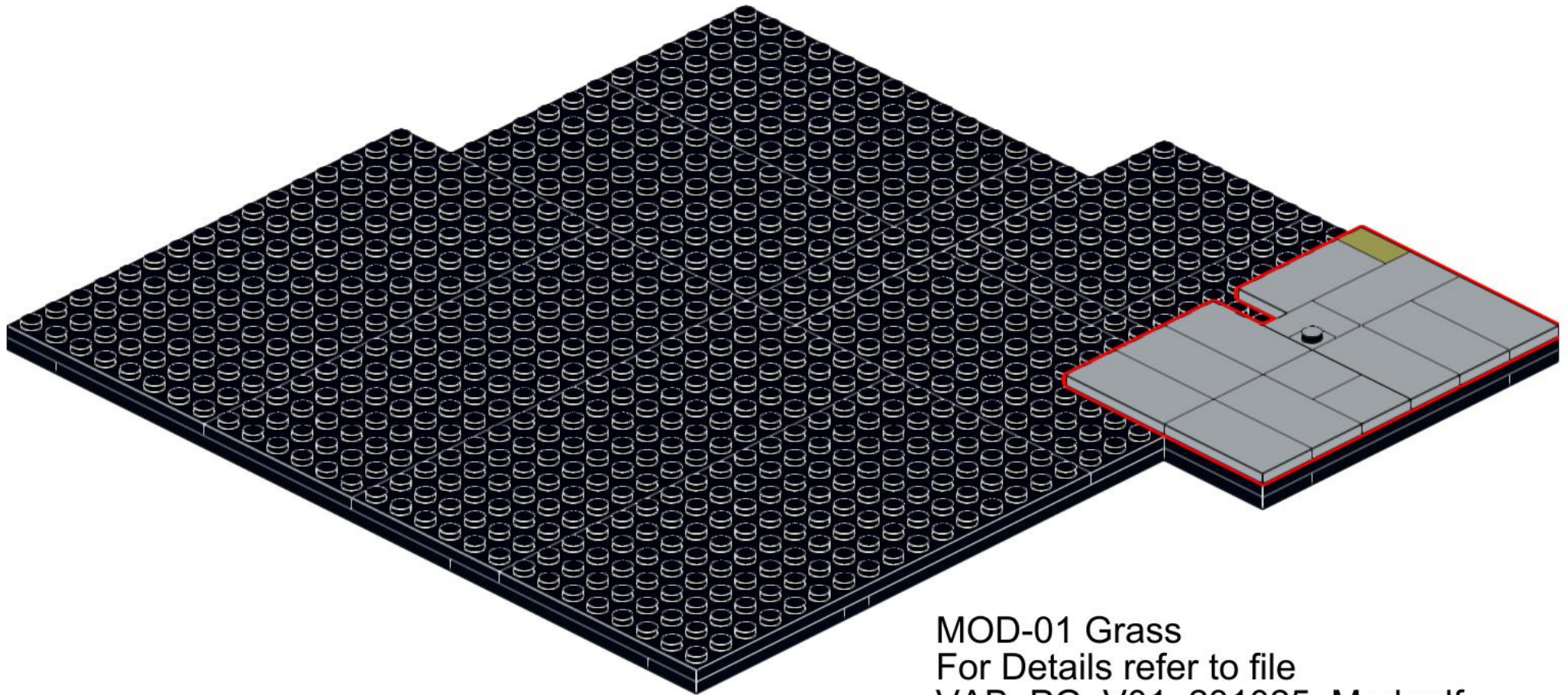
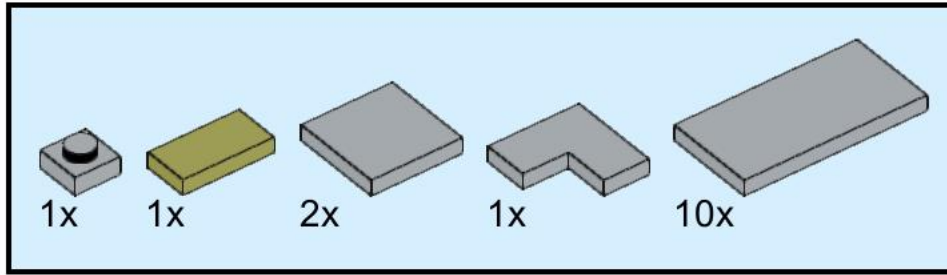


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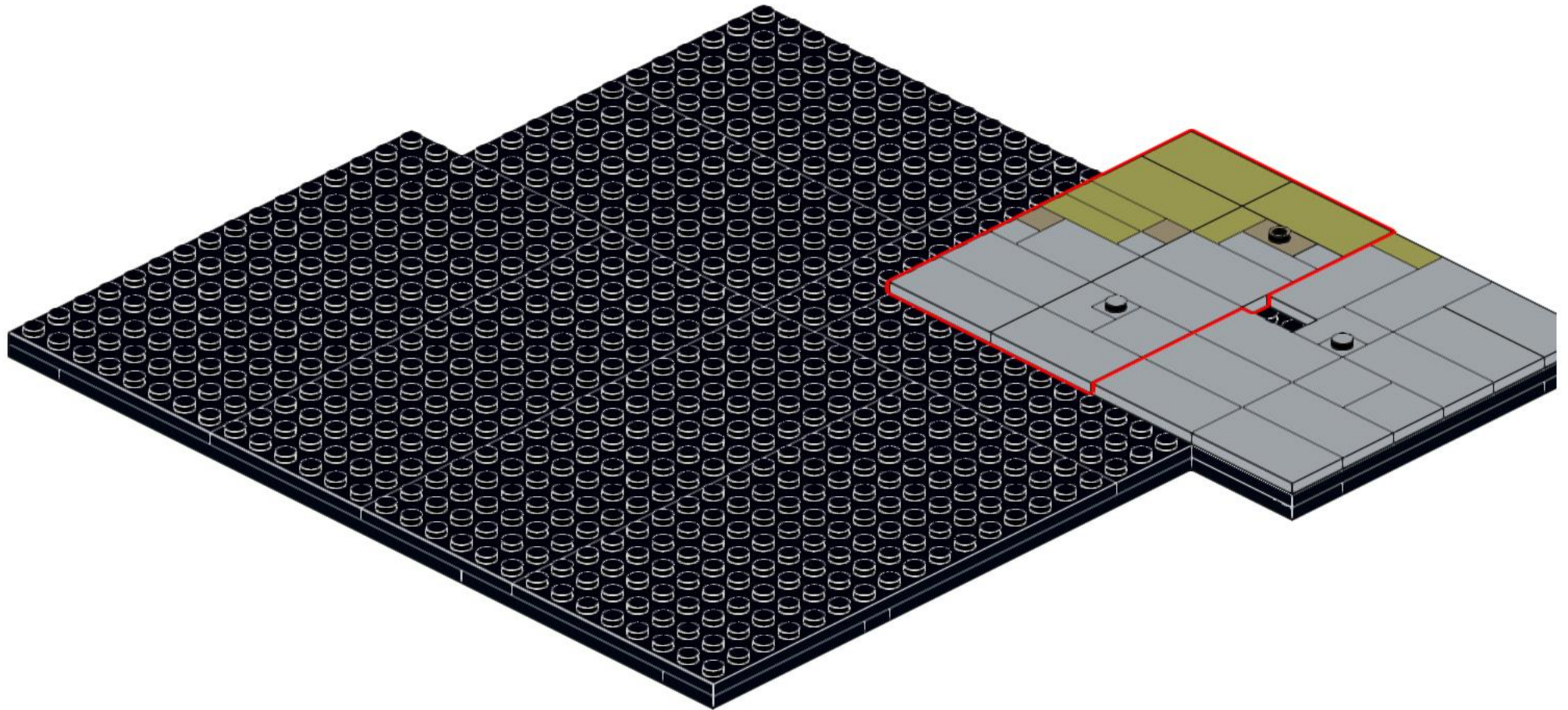
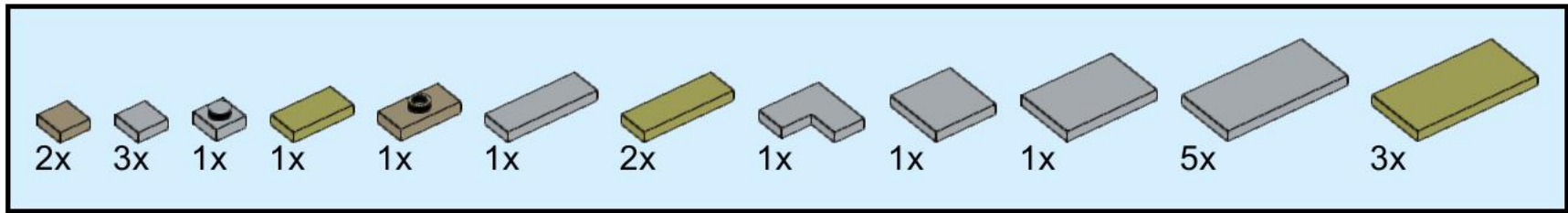
Magenta = Any colour can be used

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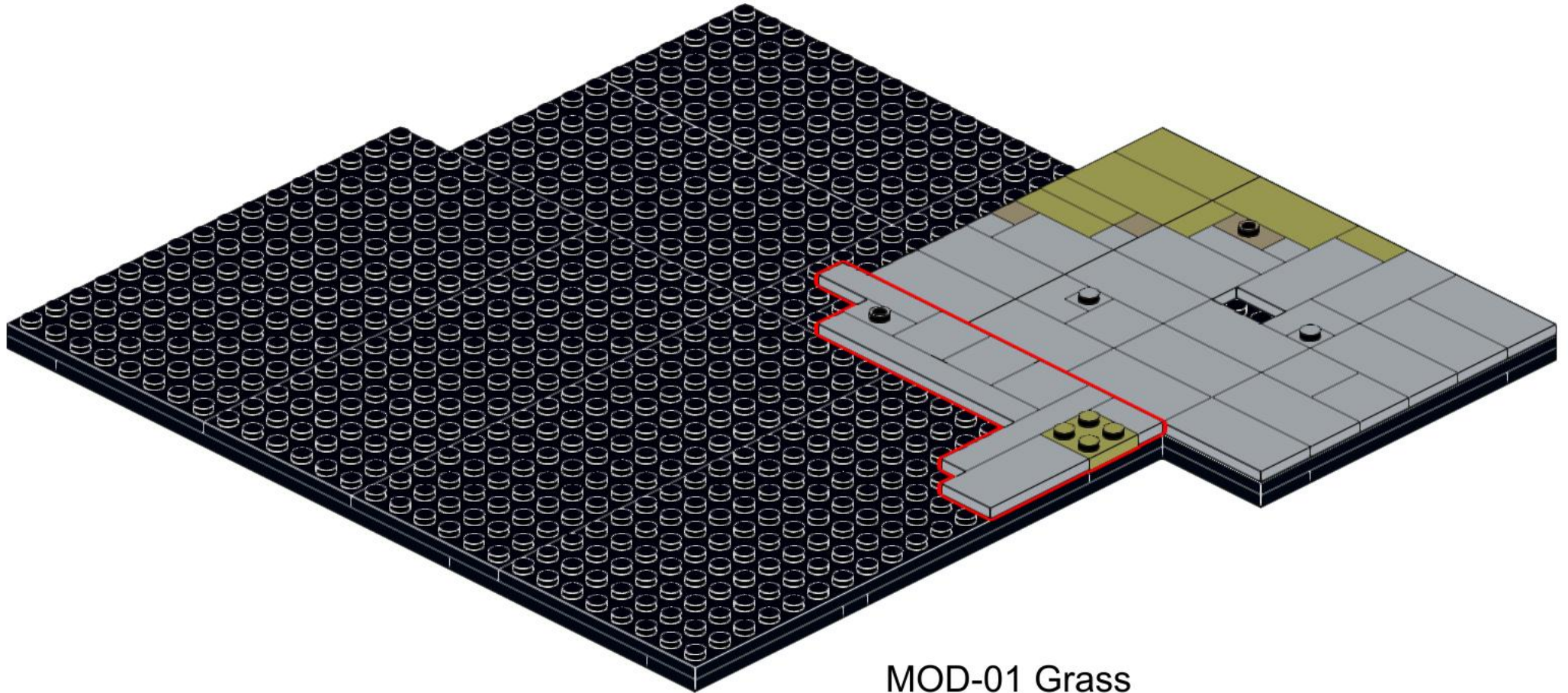
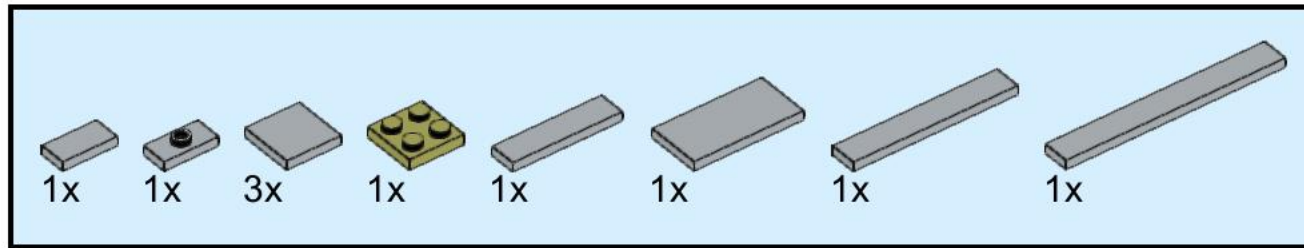


MOD-01 Grass
For Details refer to file
VAB_PG_V01_231025_Mod.pdf

5

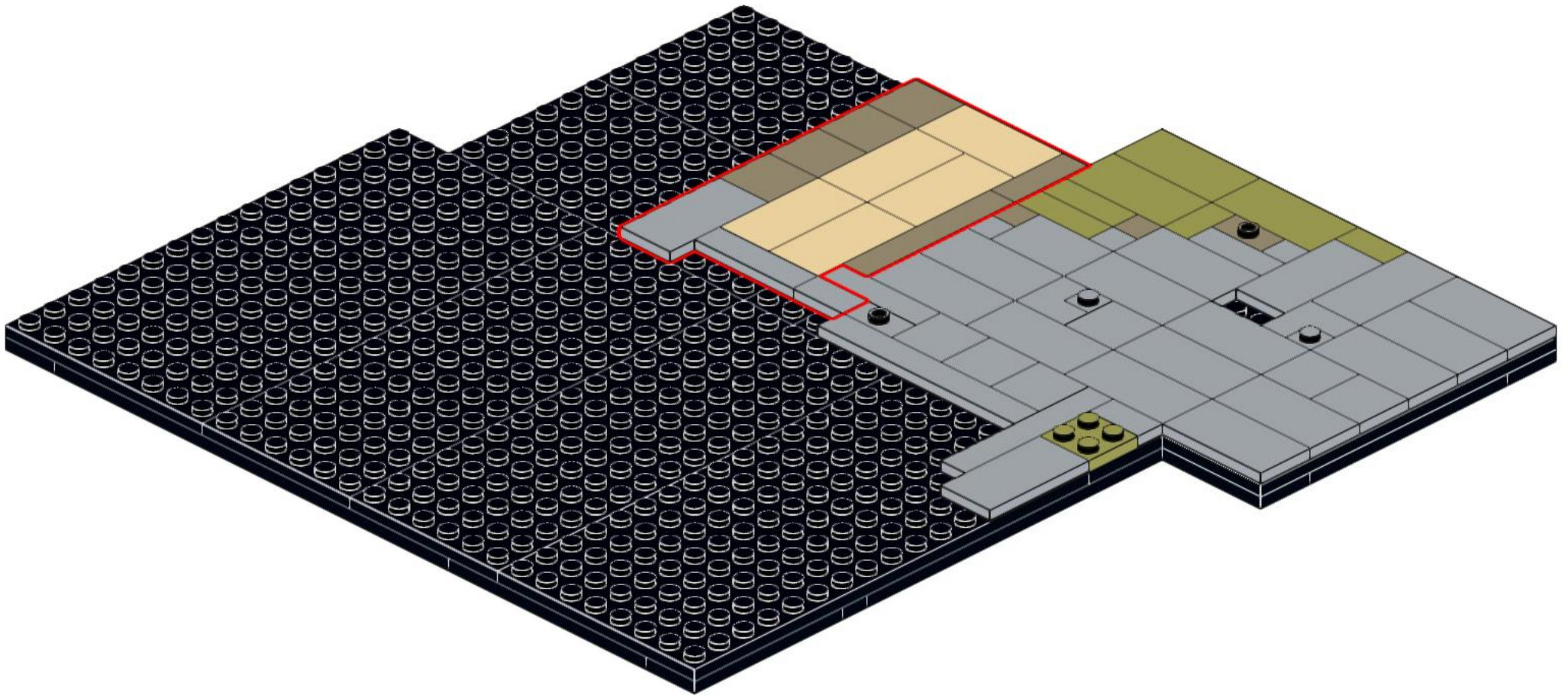
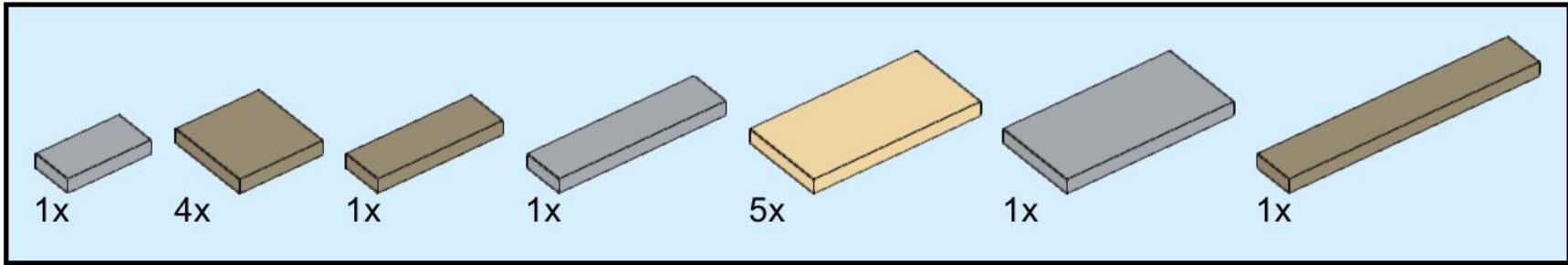


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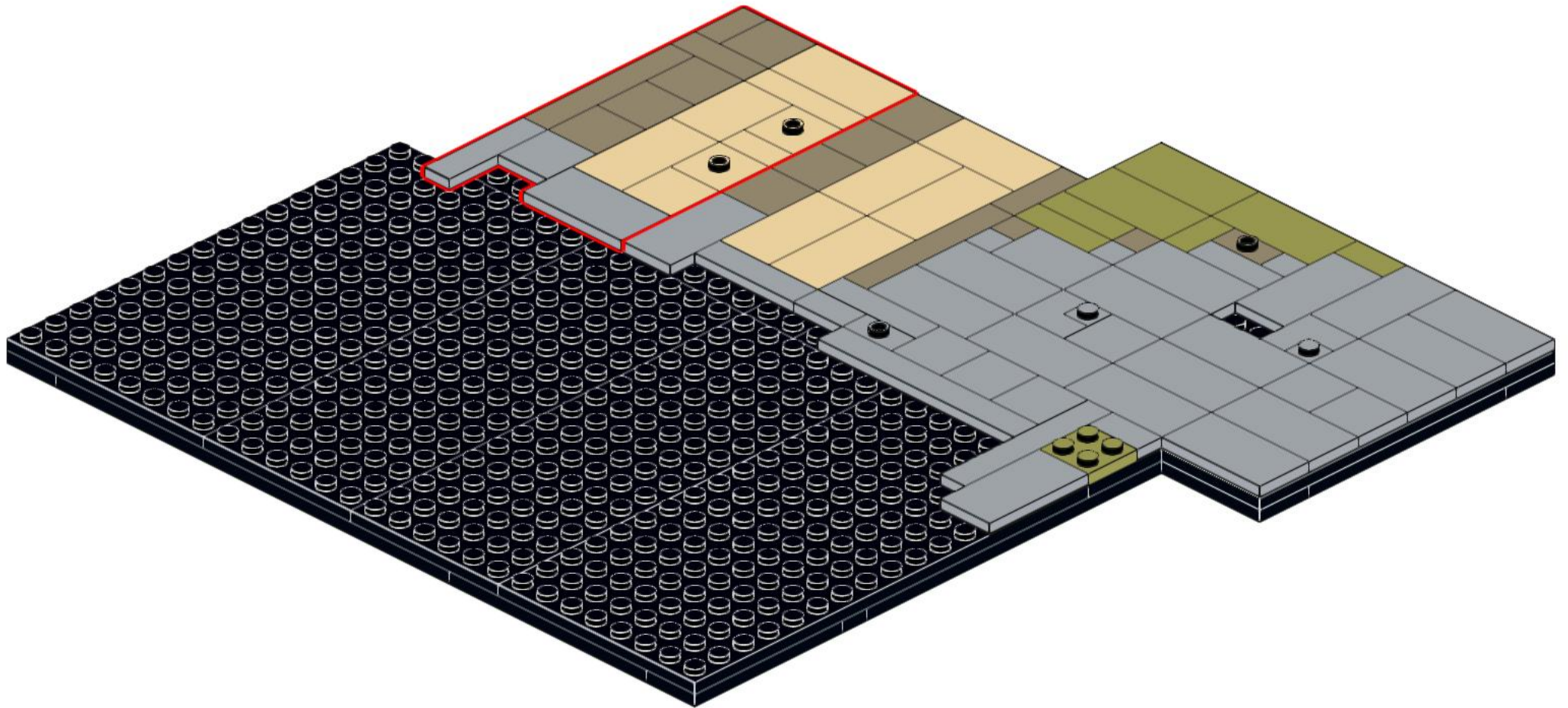
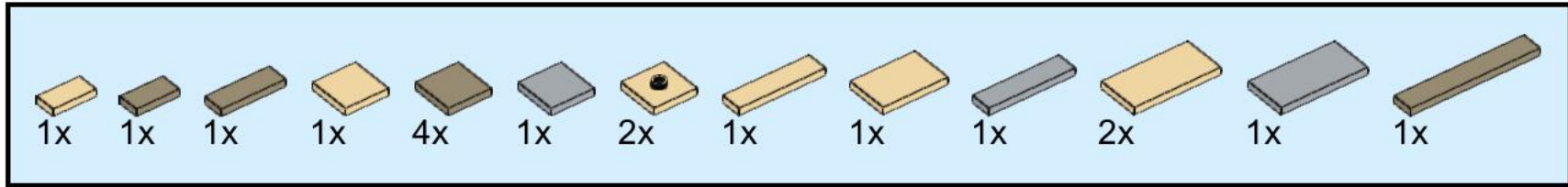


MOD-01 Grass
For Details refer to file VAB_MODS_01.

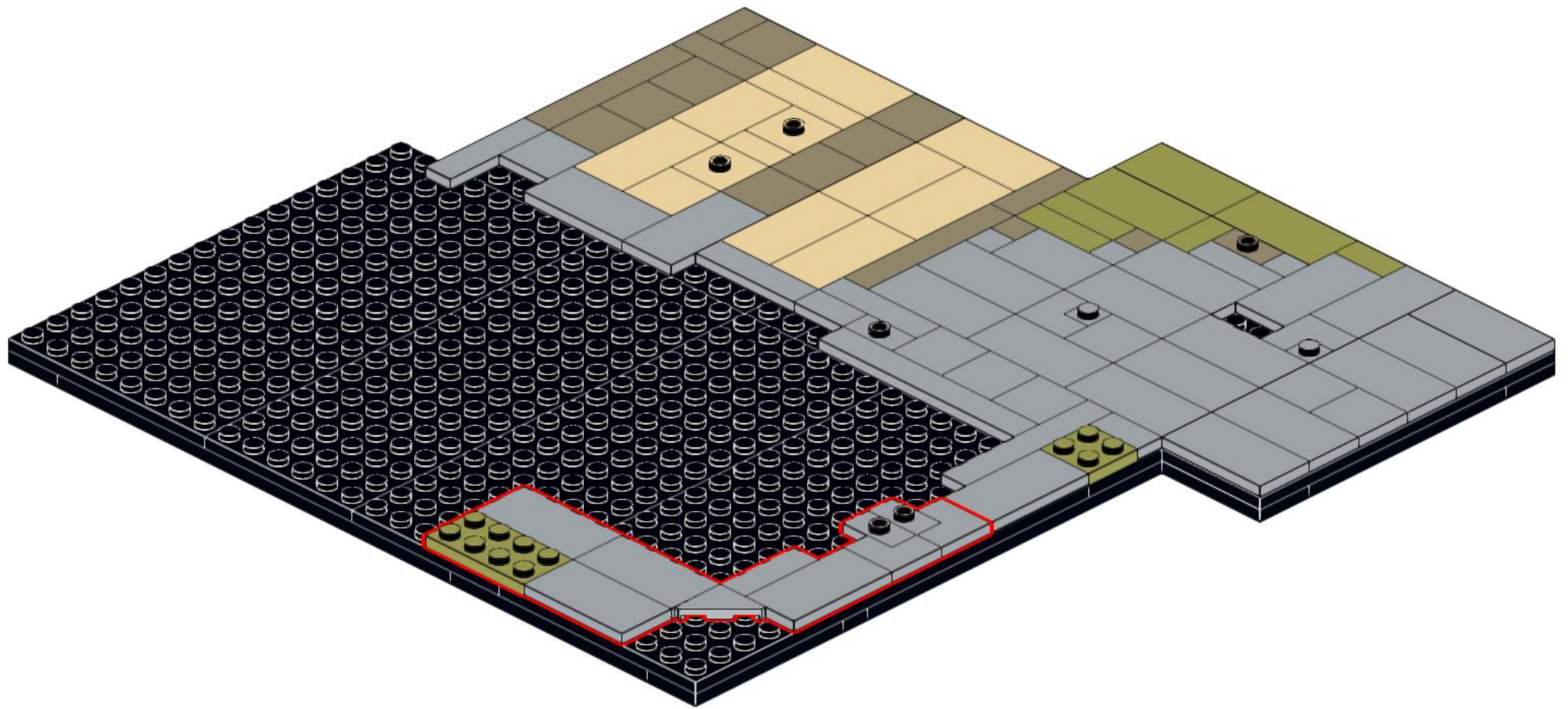
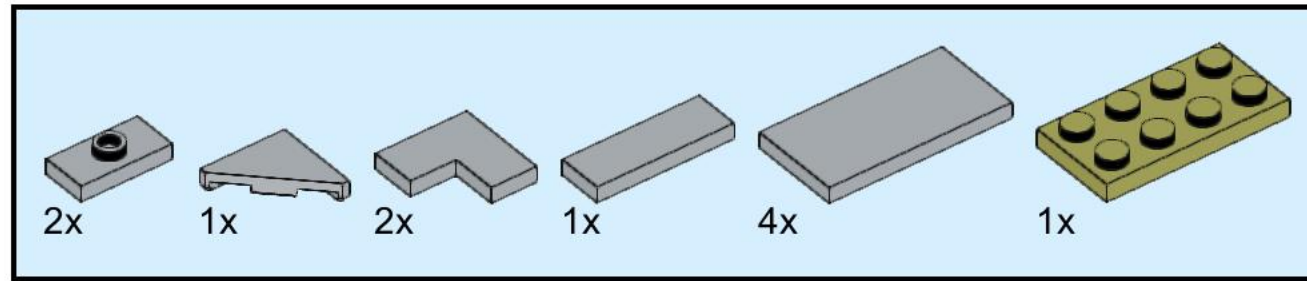
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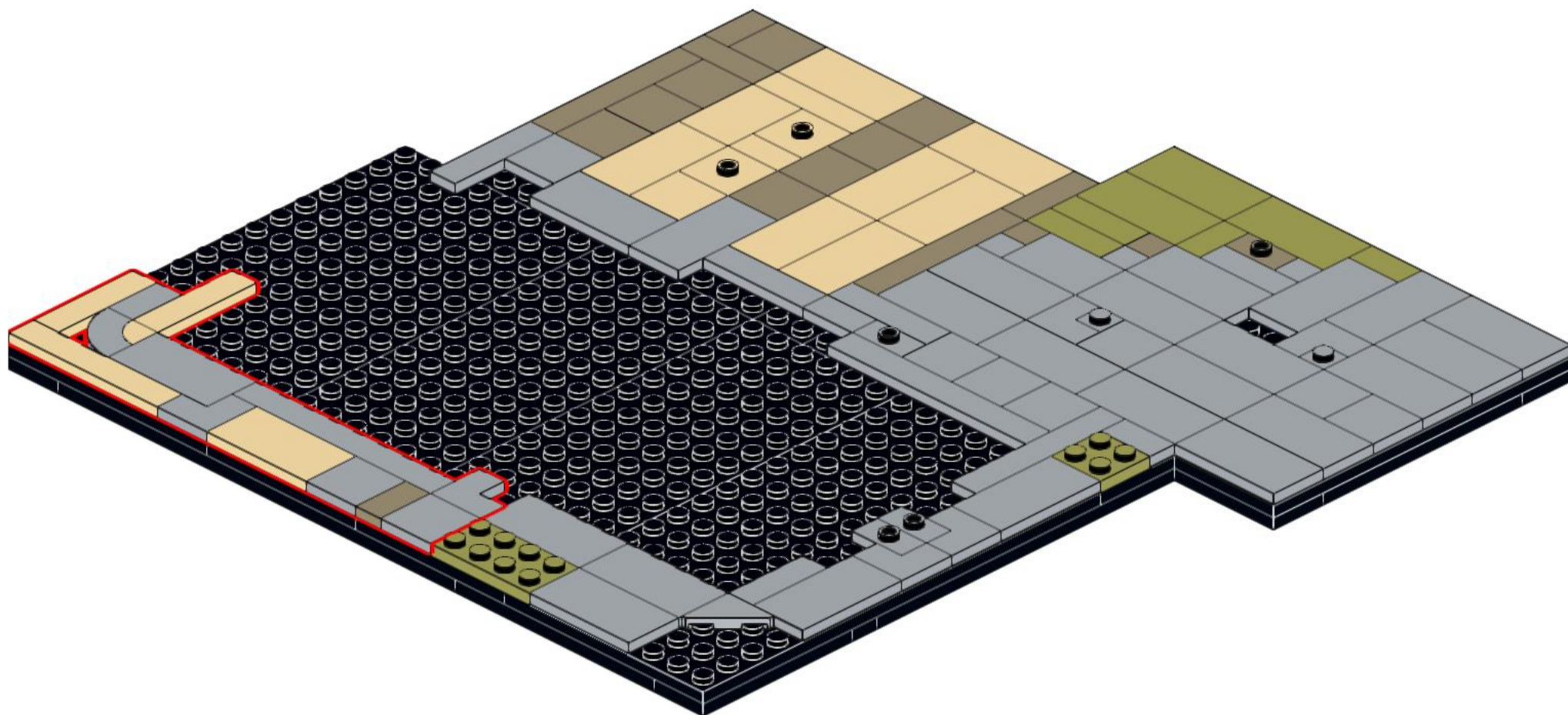
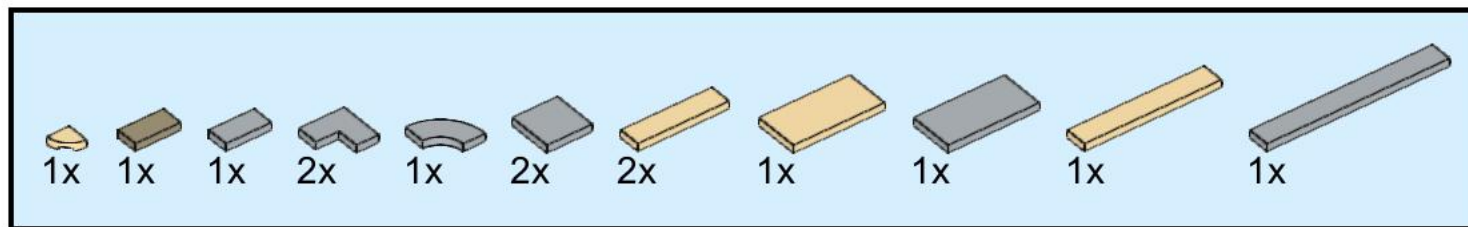
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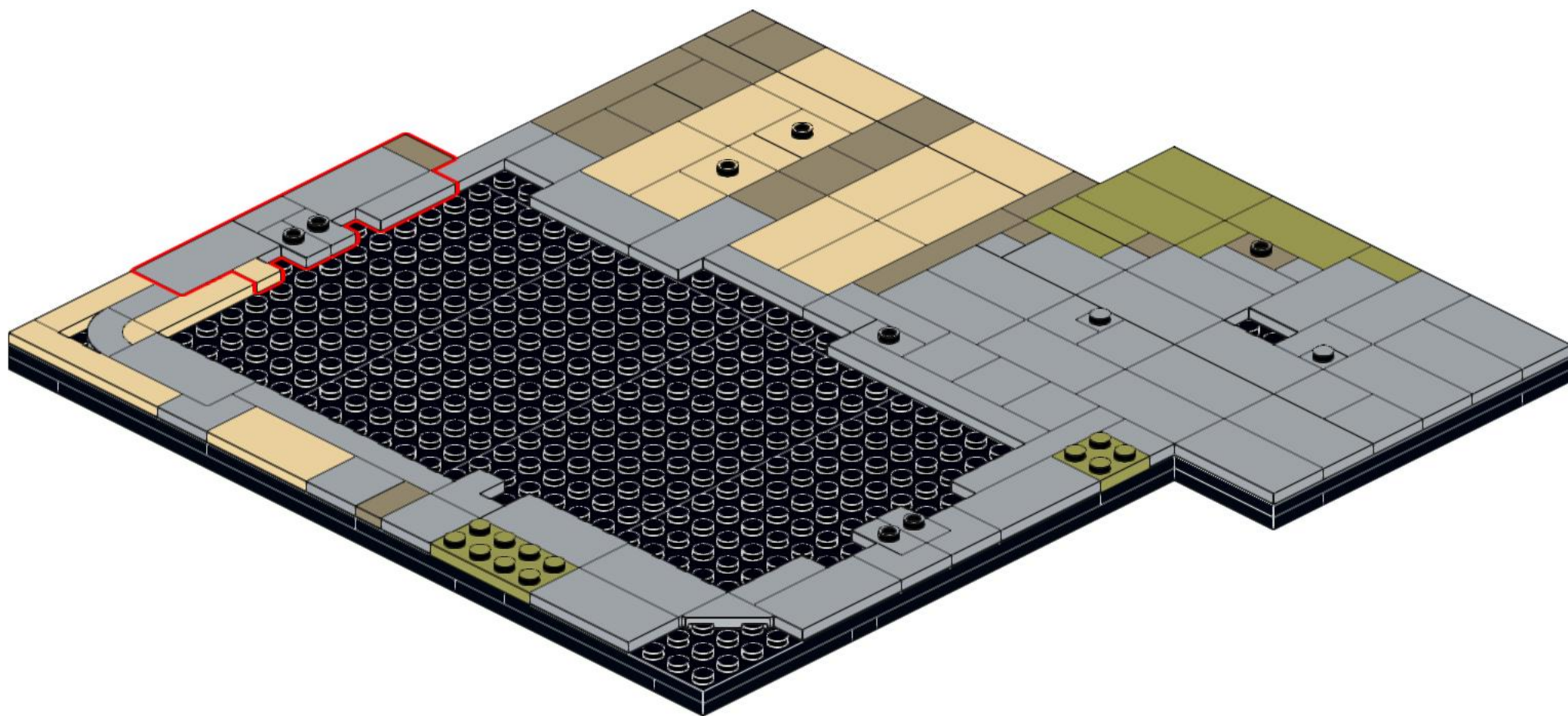
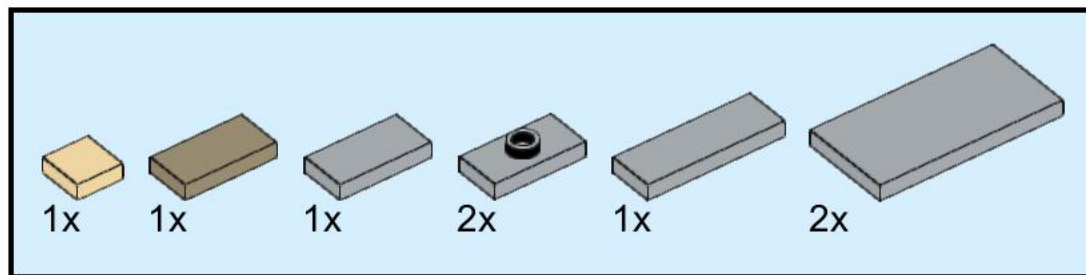
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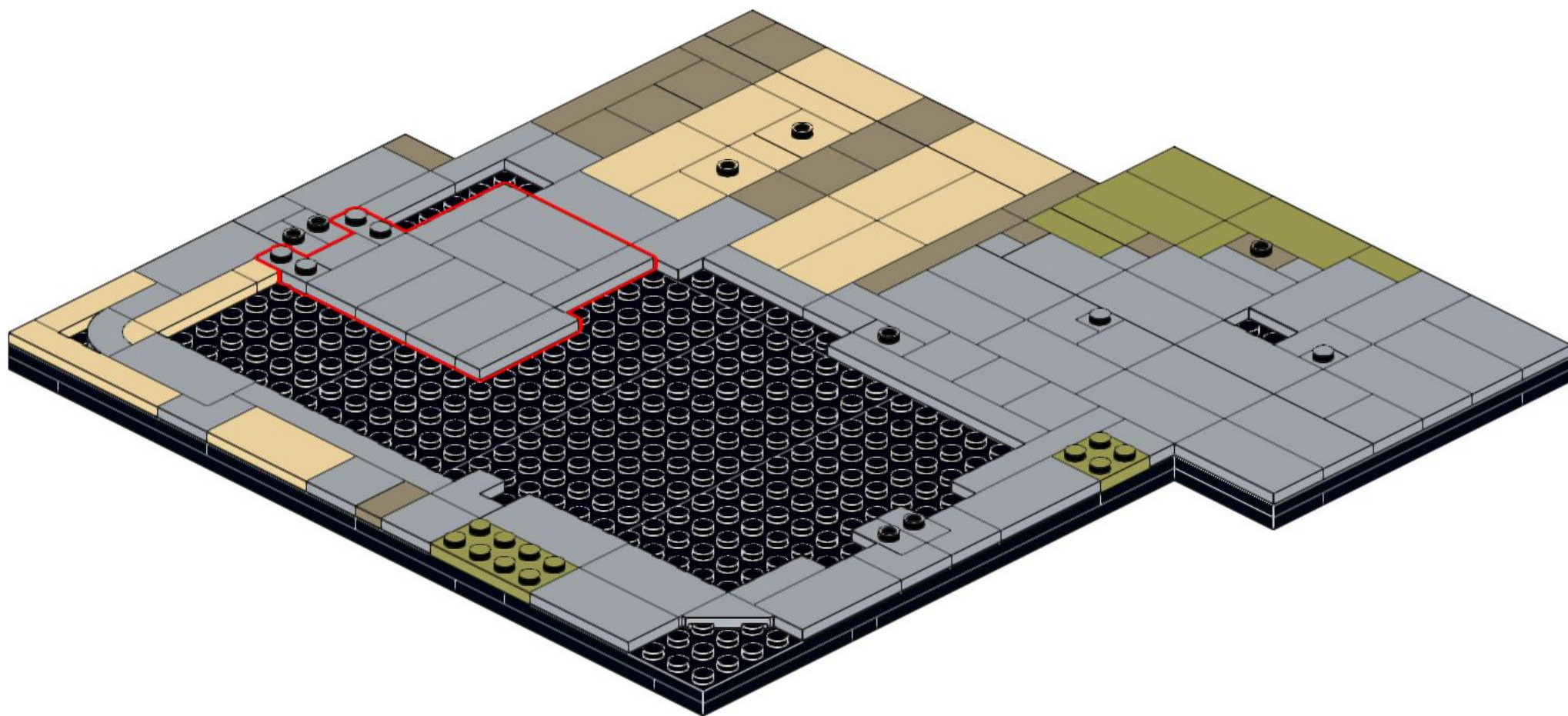
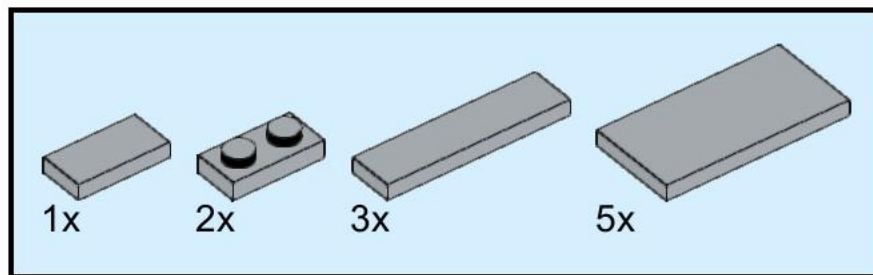
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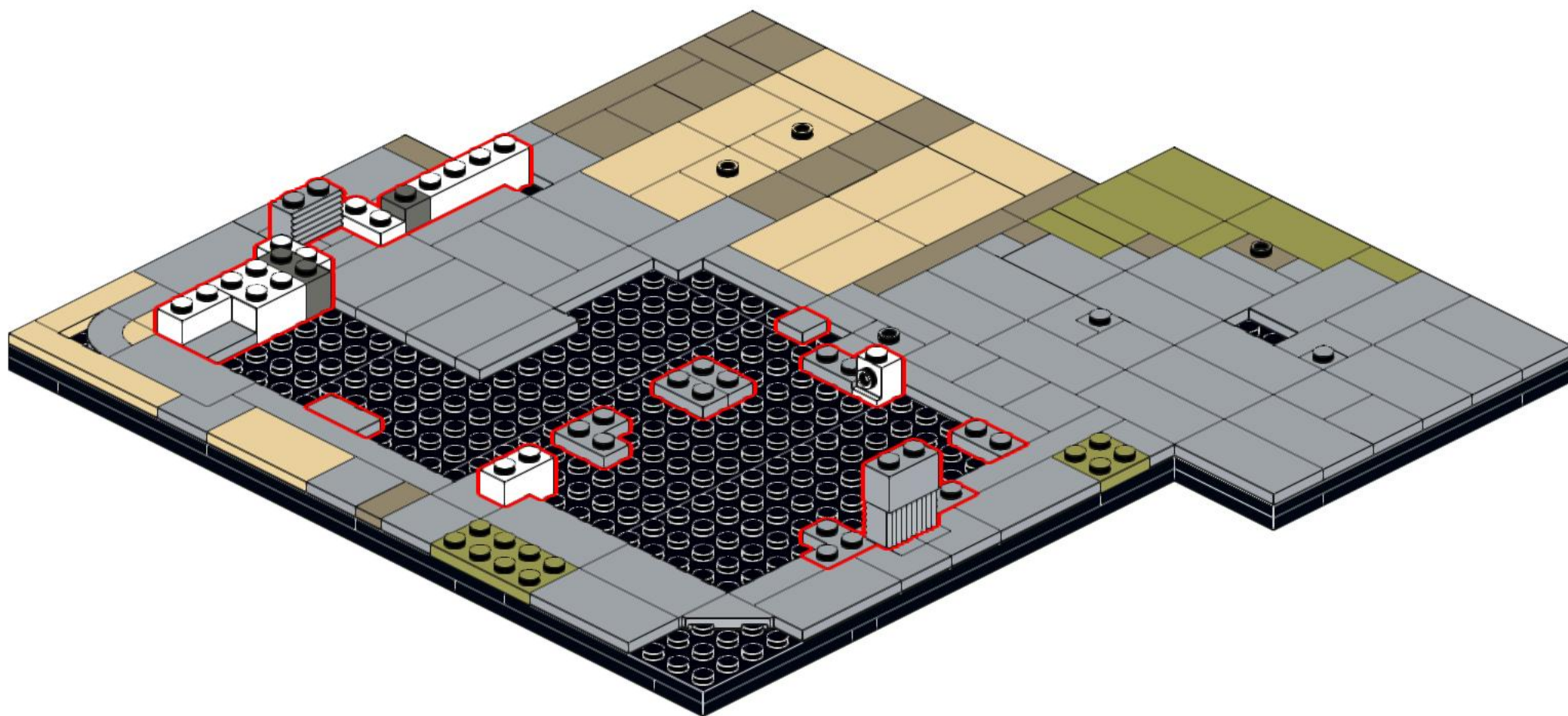
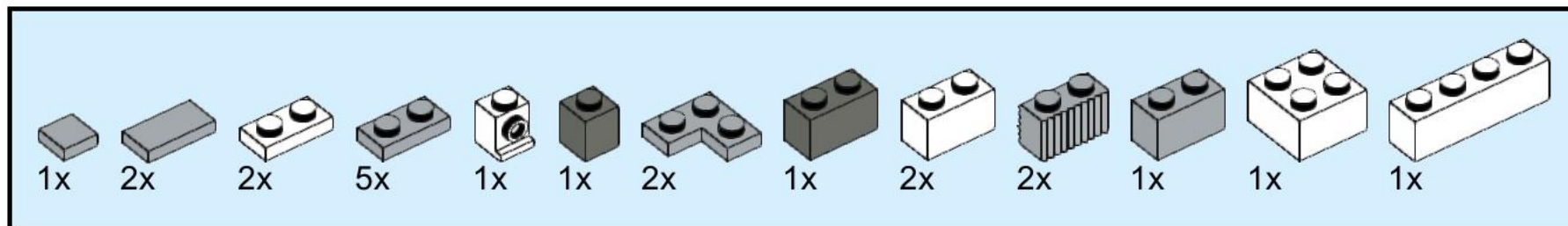
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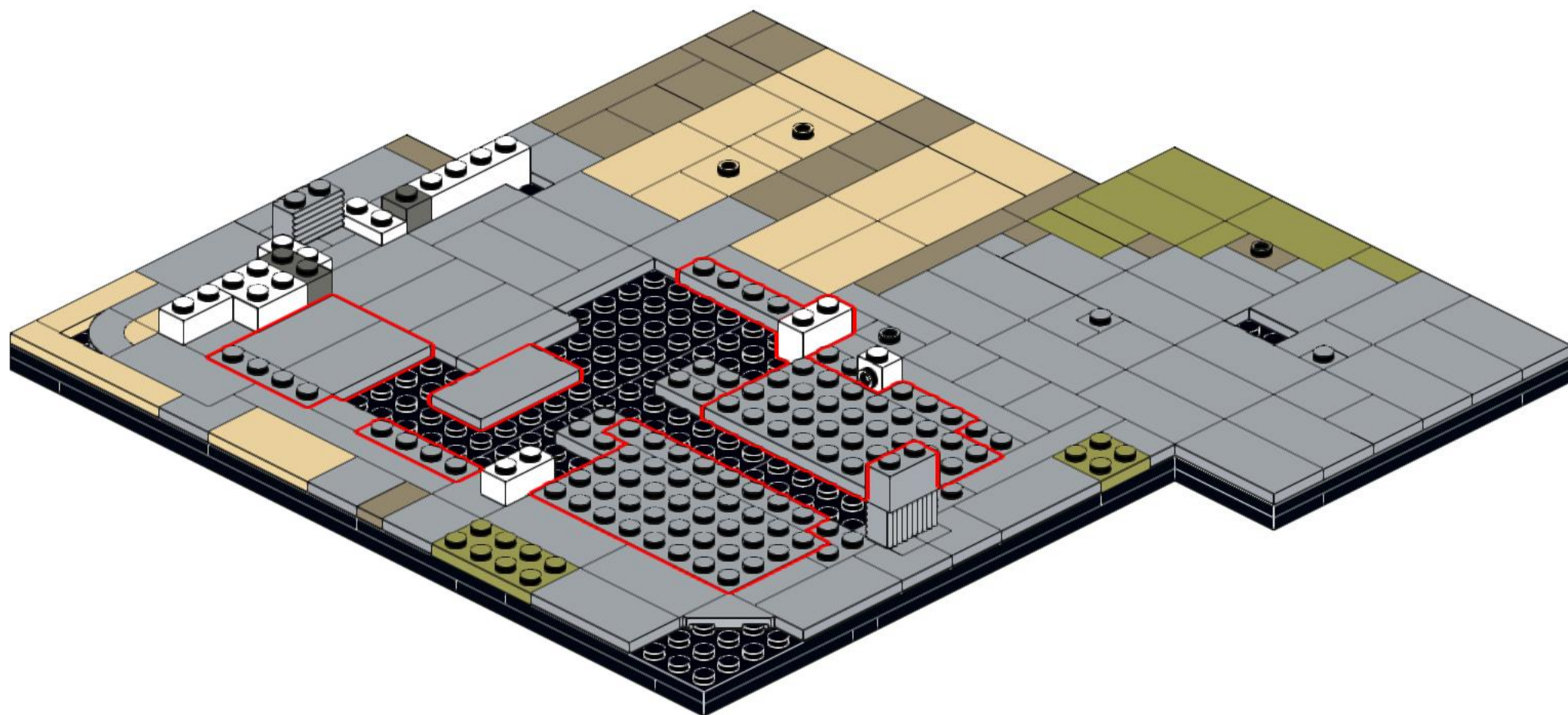
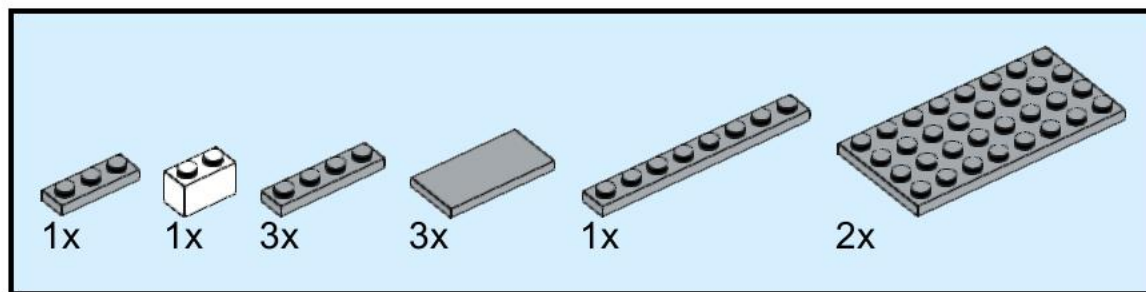
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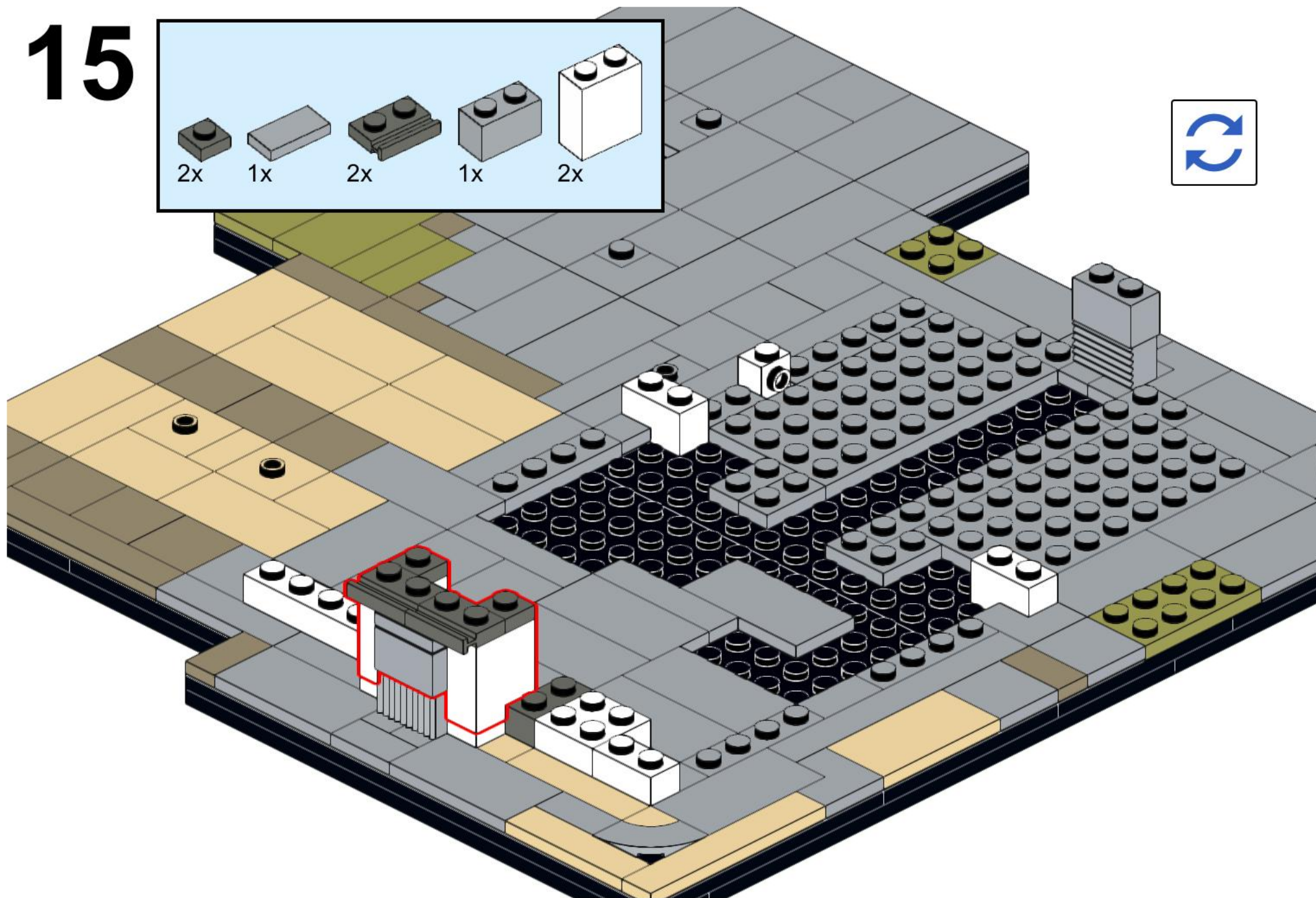
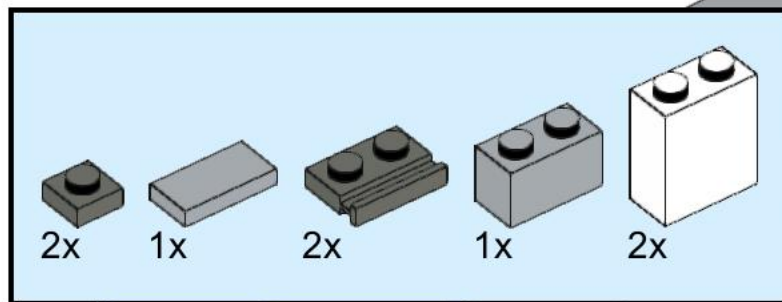
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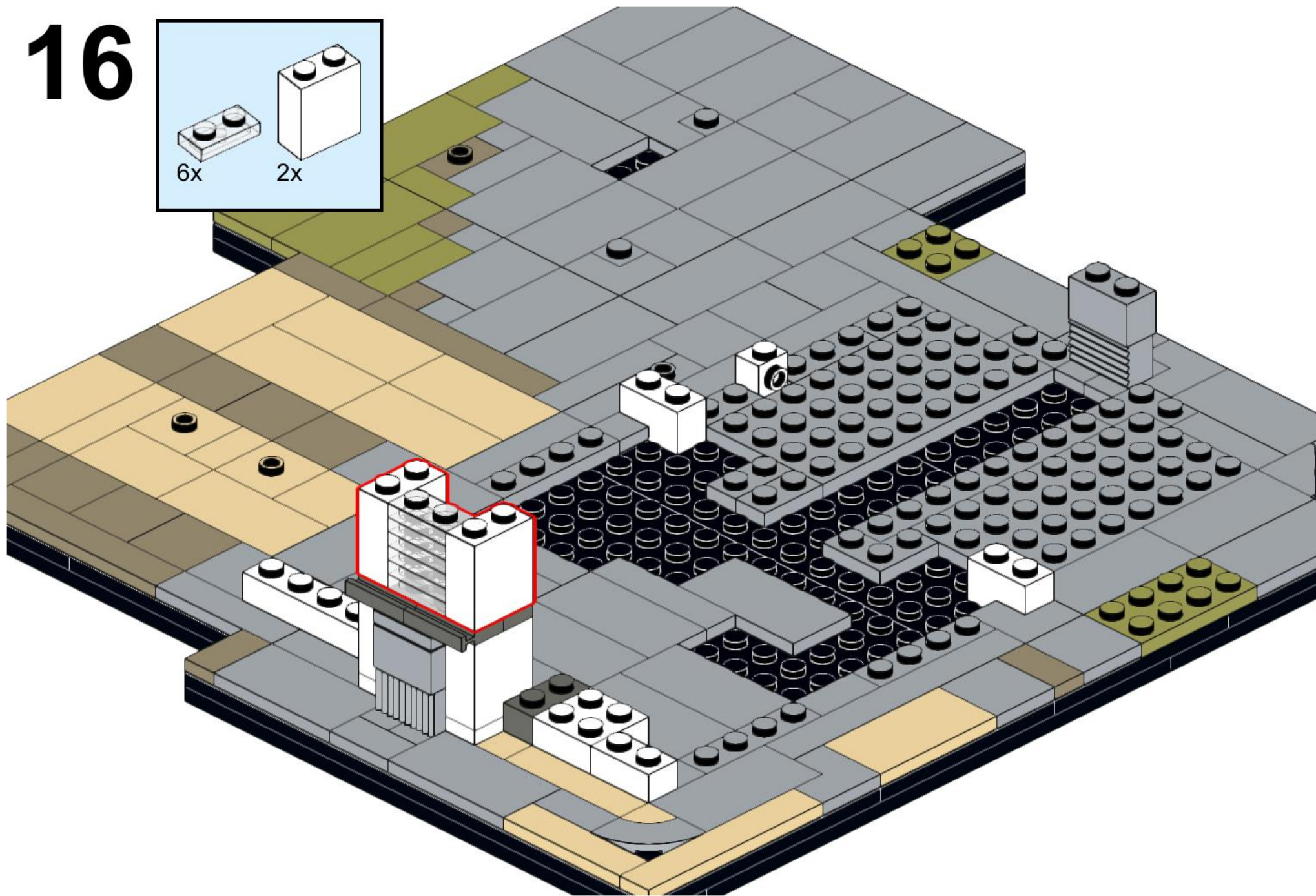
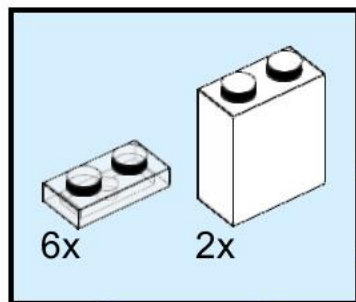
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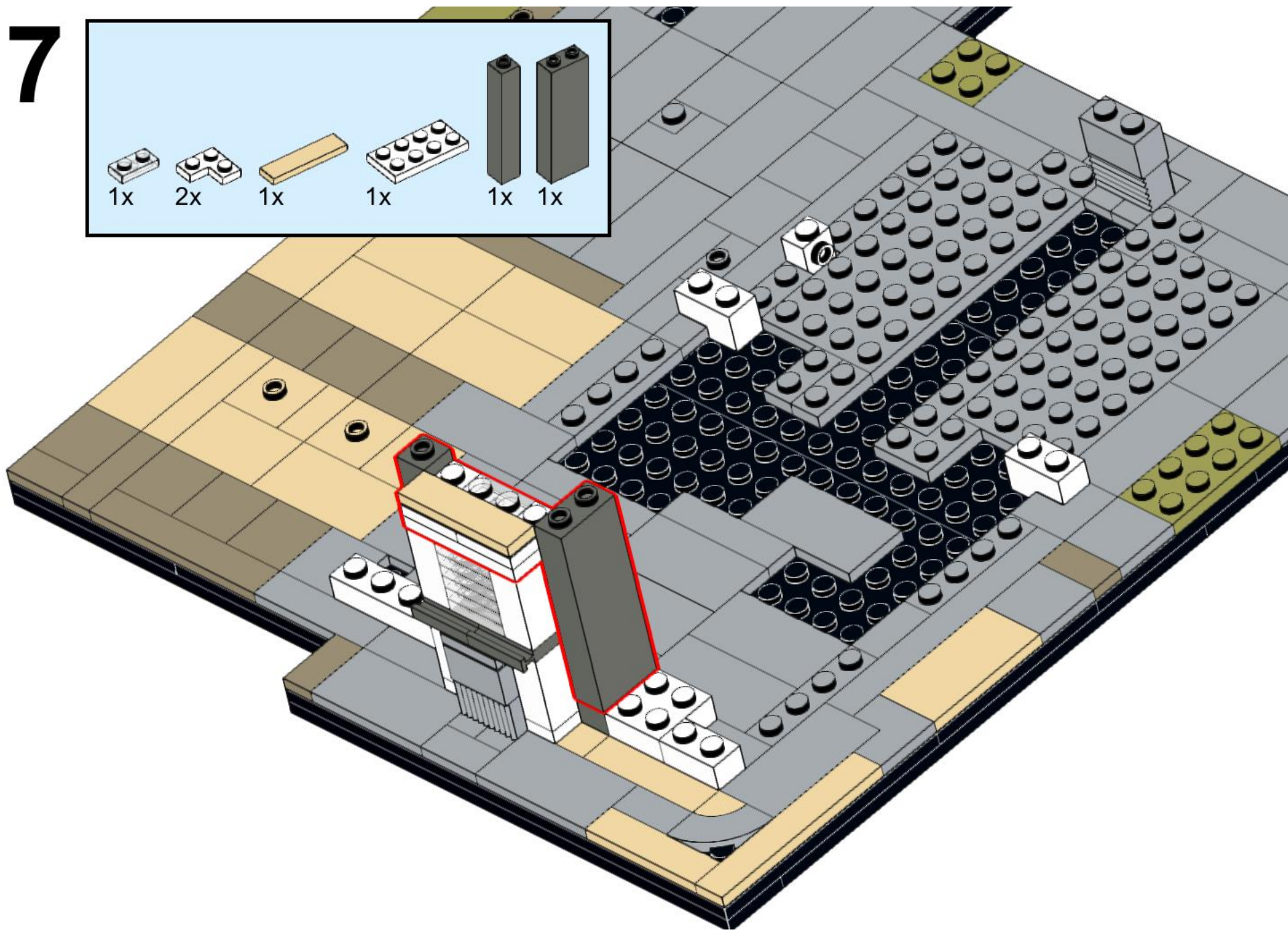
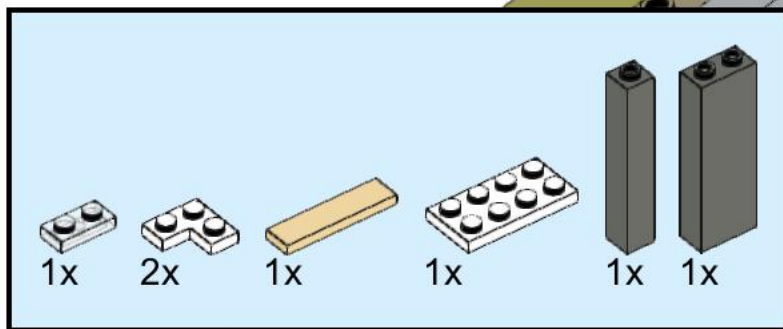
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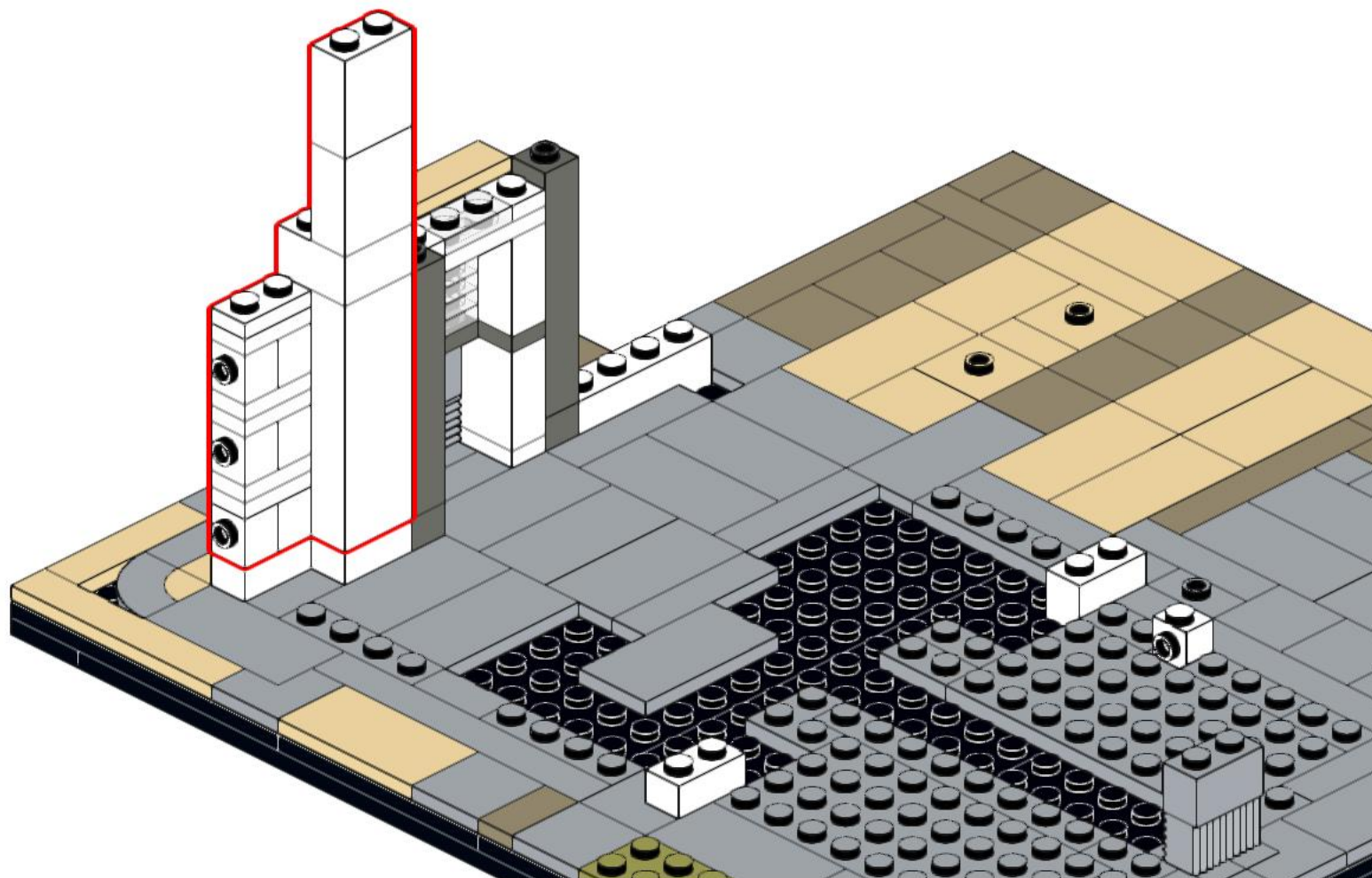
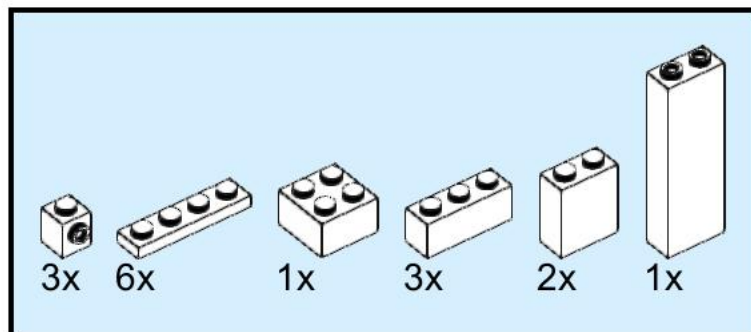
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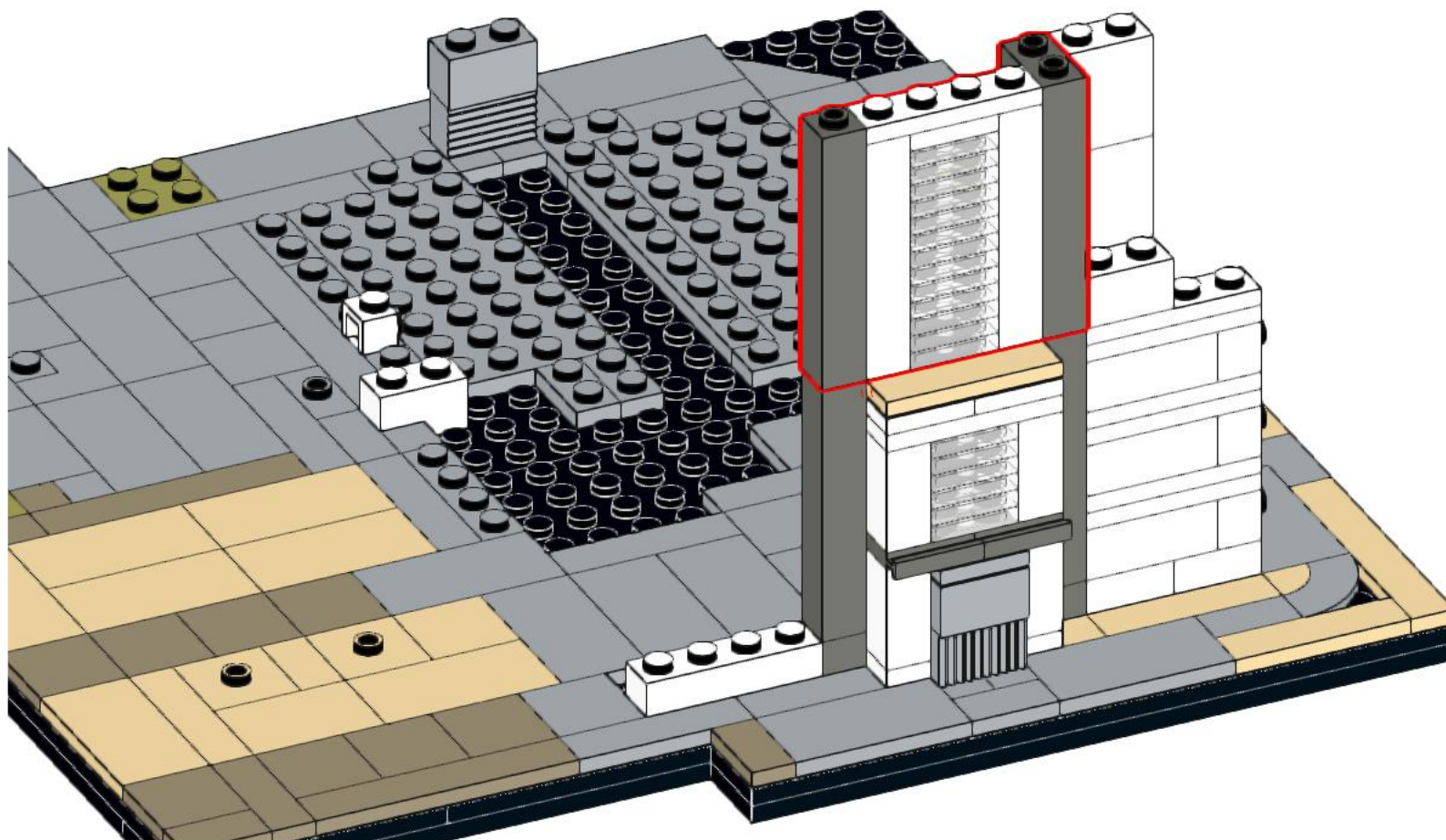
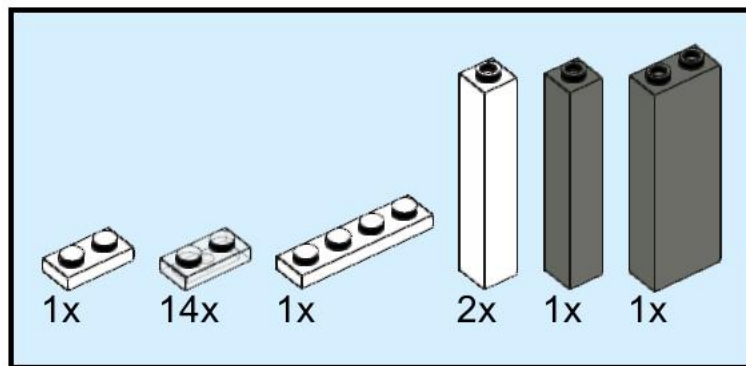
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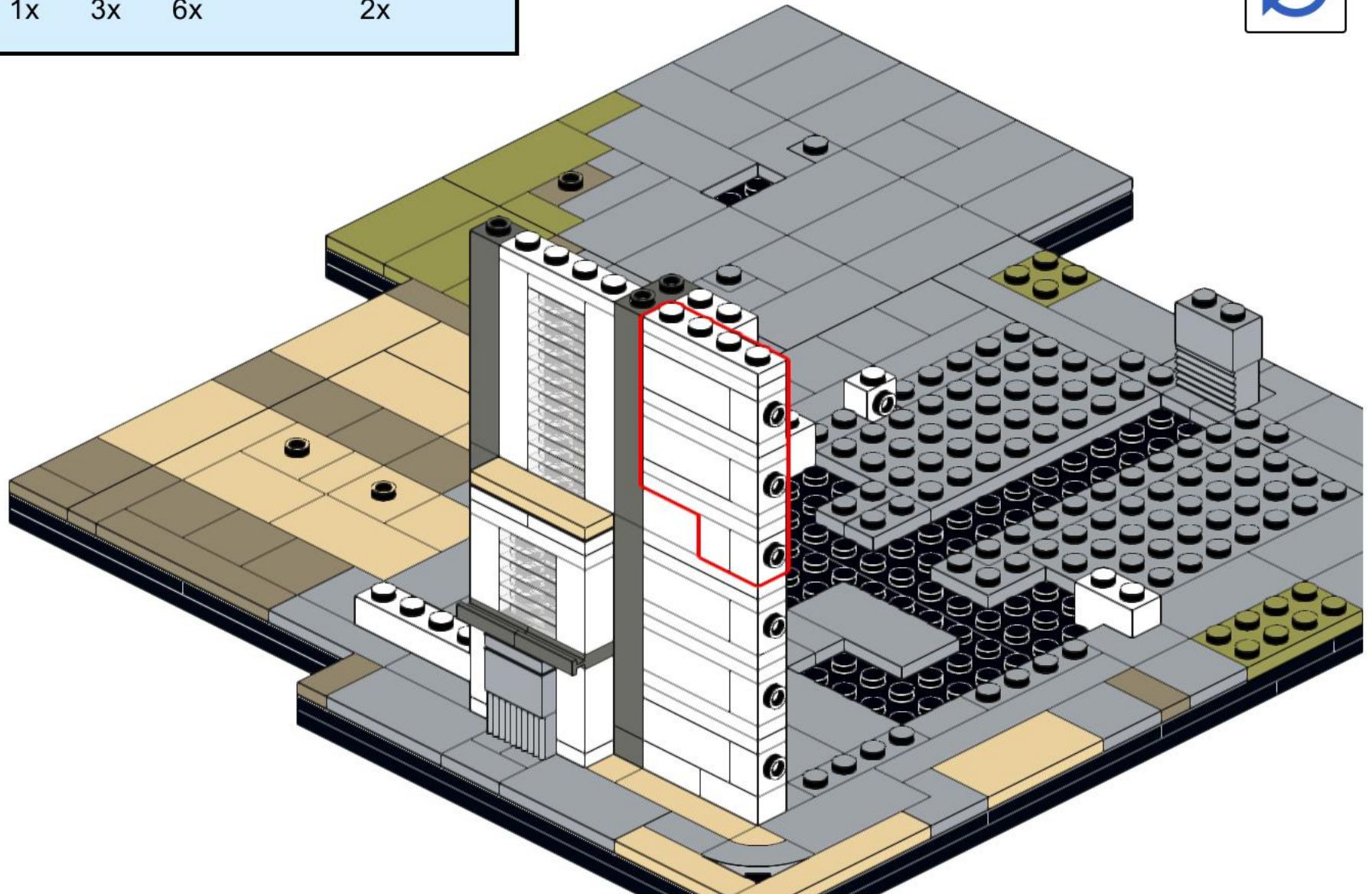
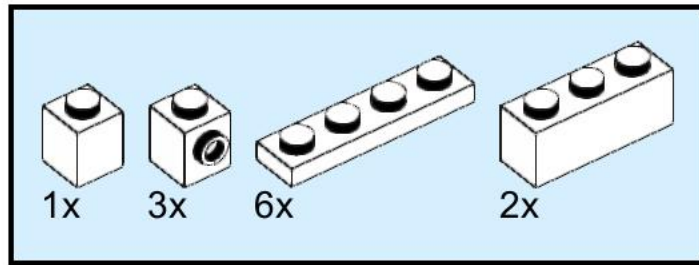
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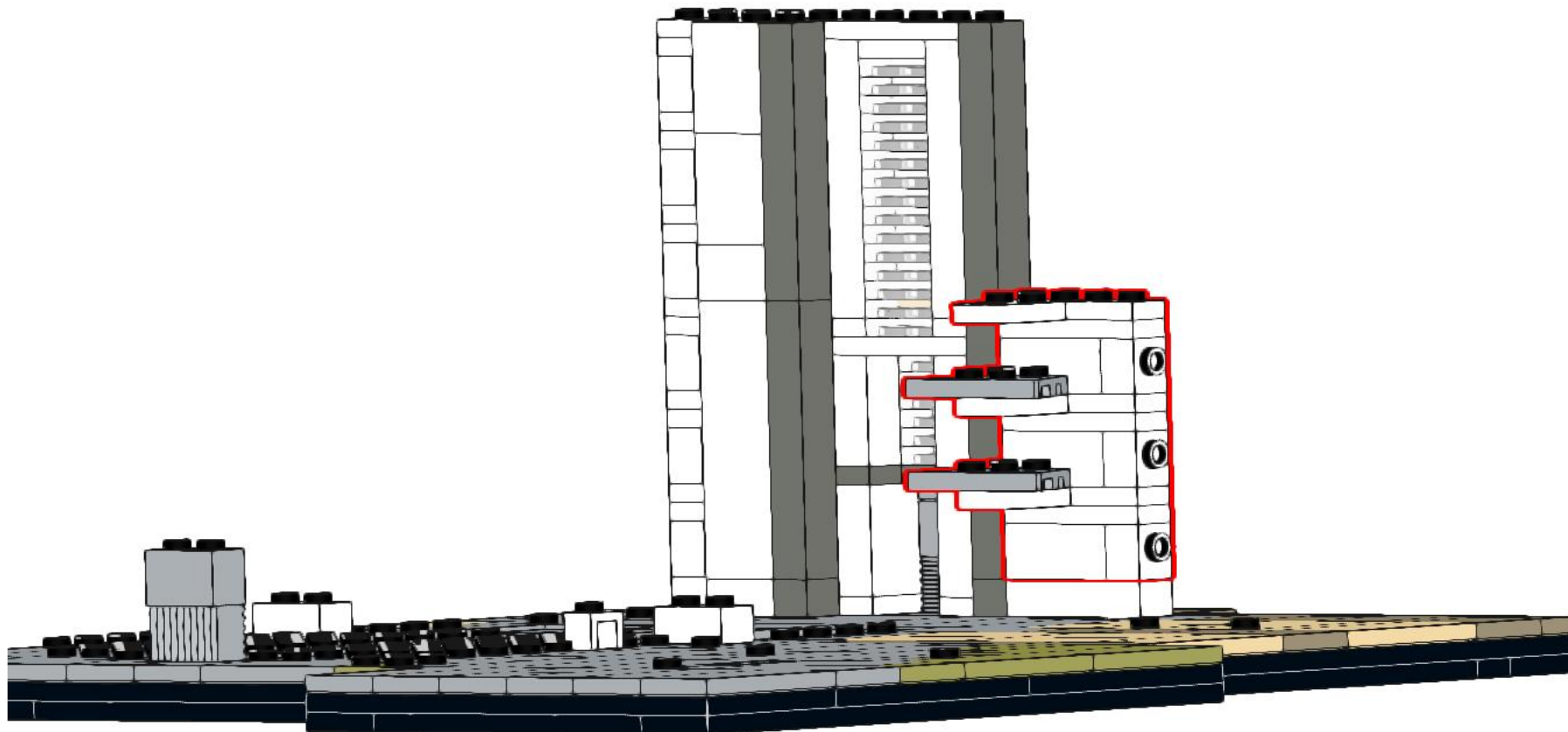
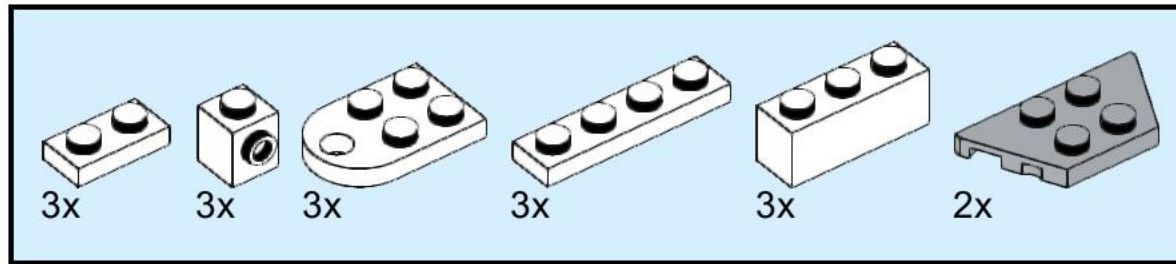
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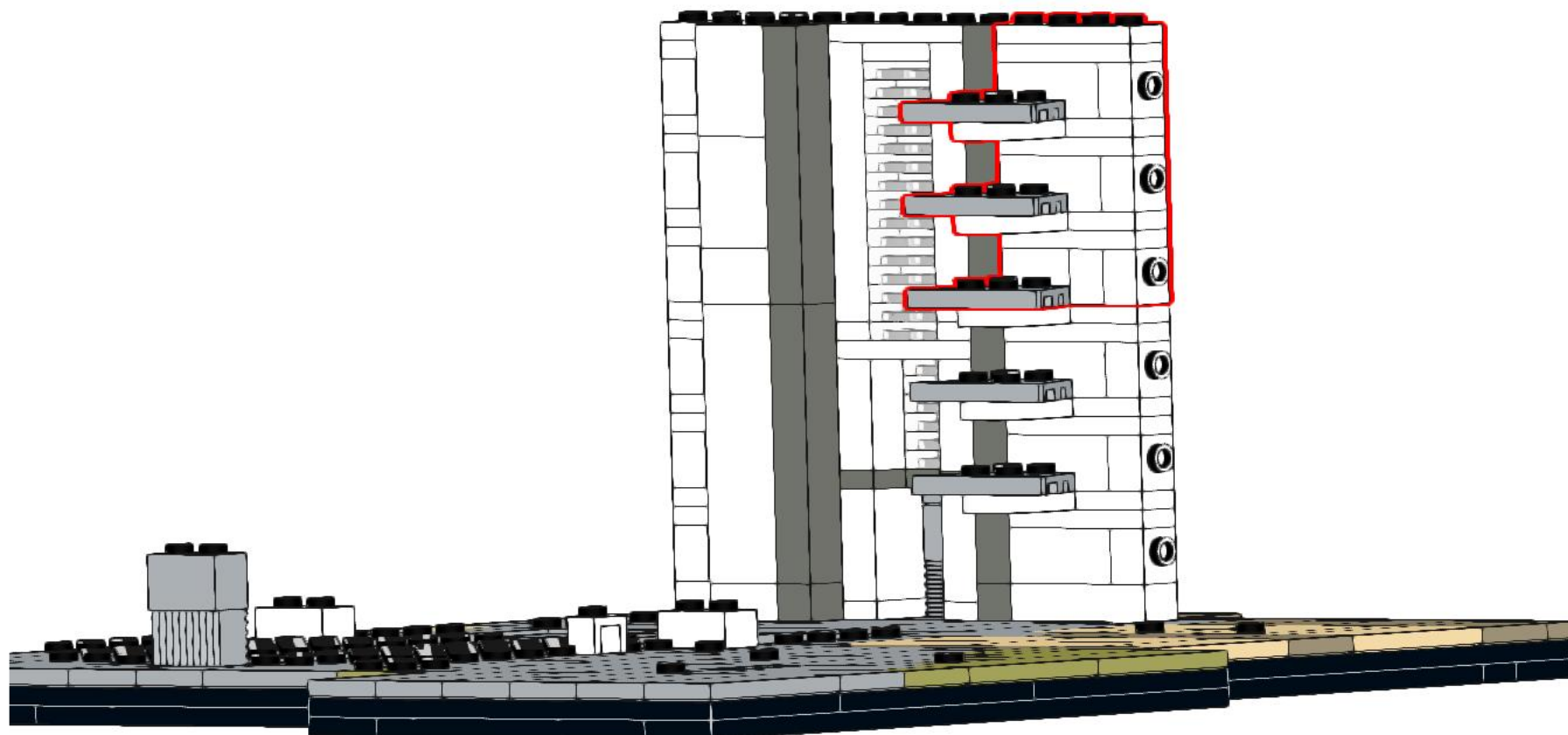
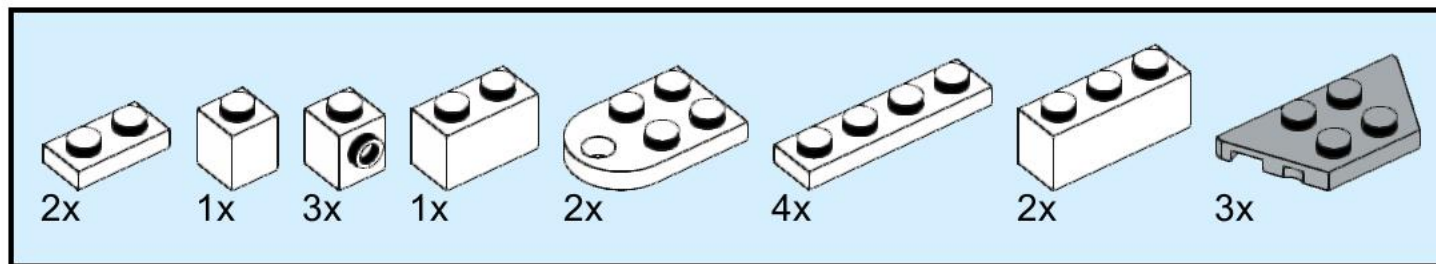
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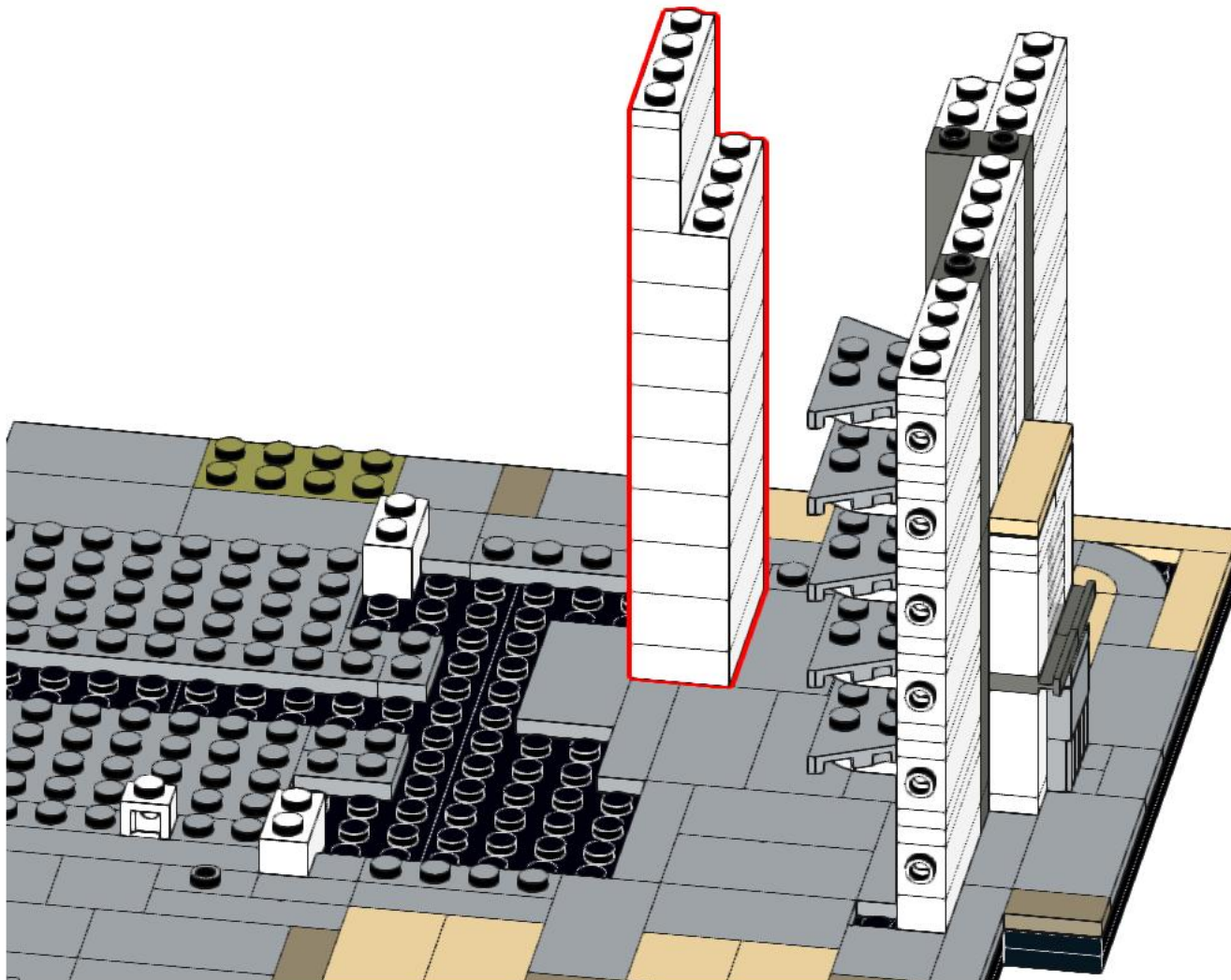
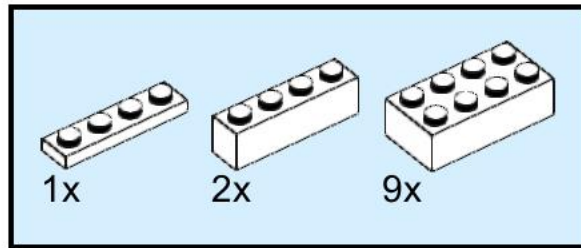
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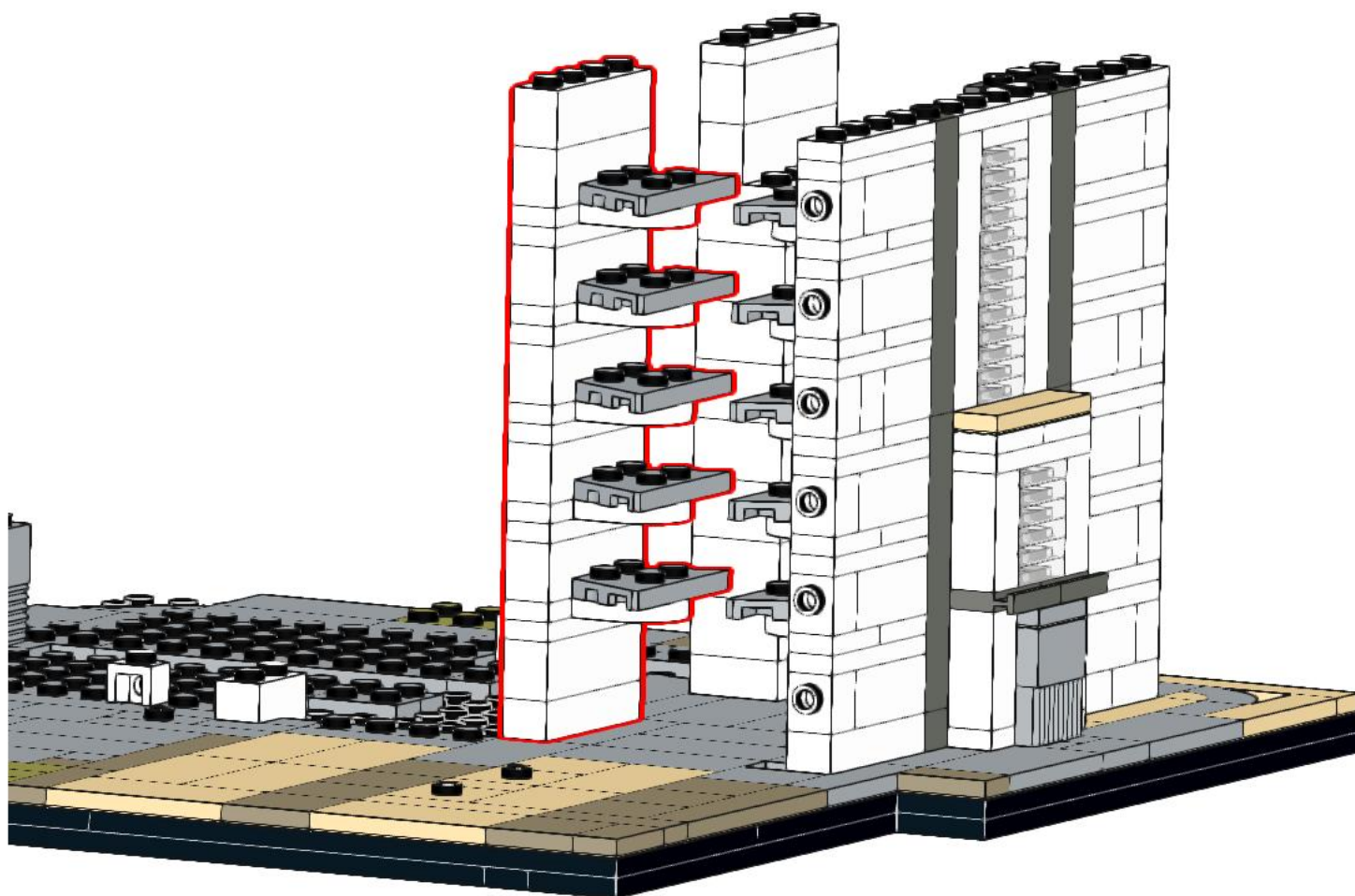
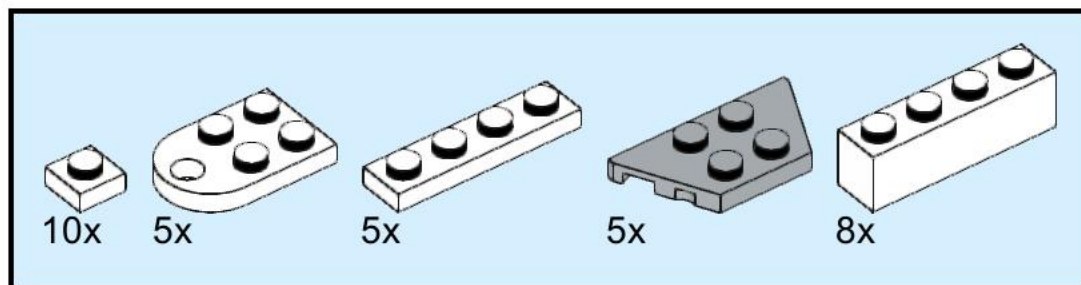
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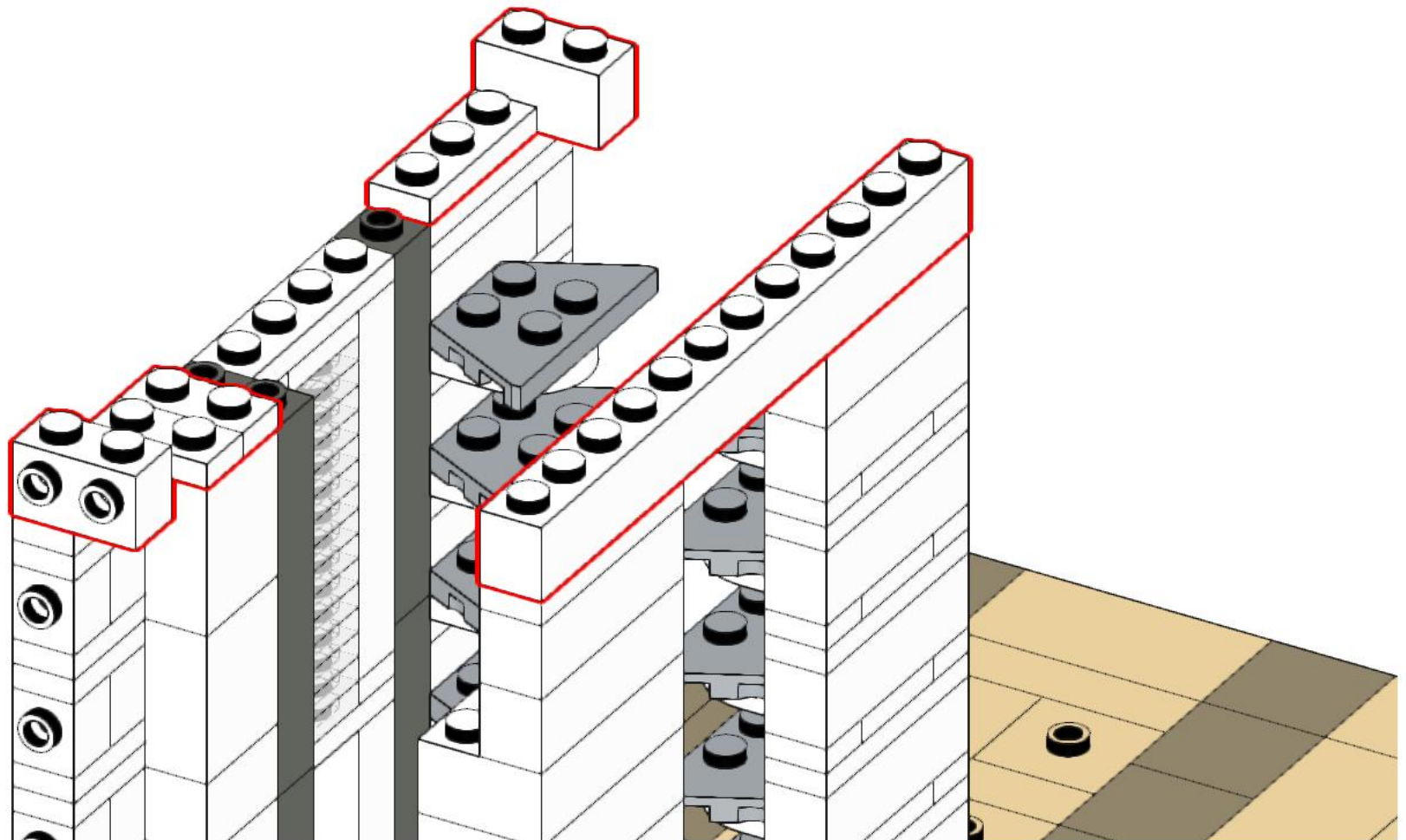
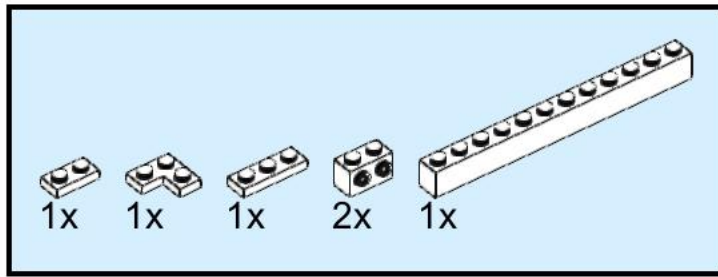
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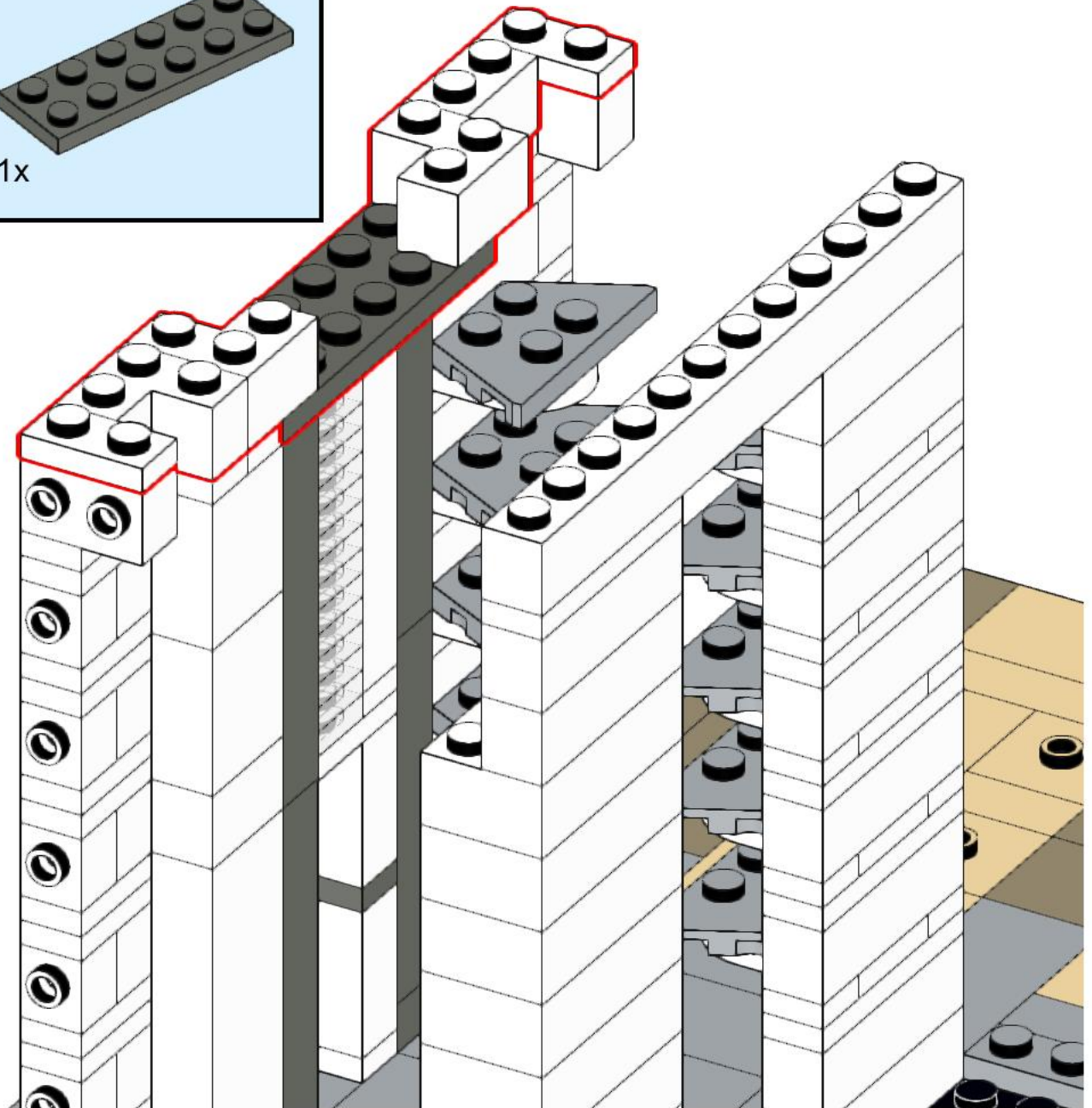
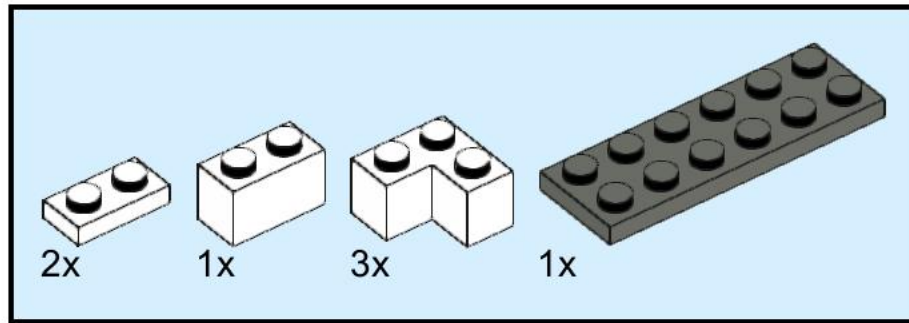
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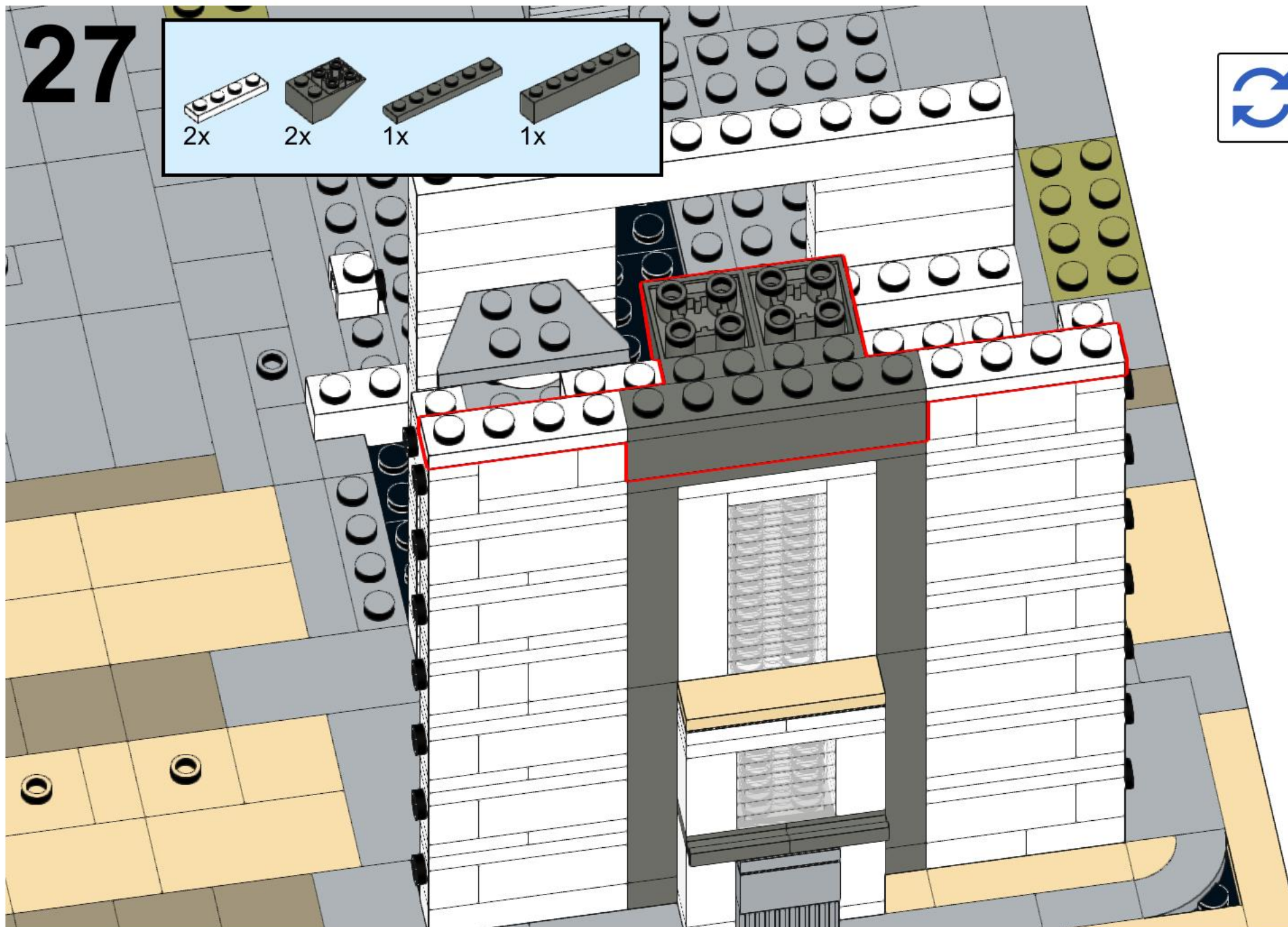
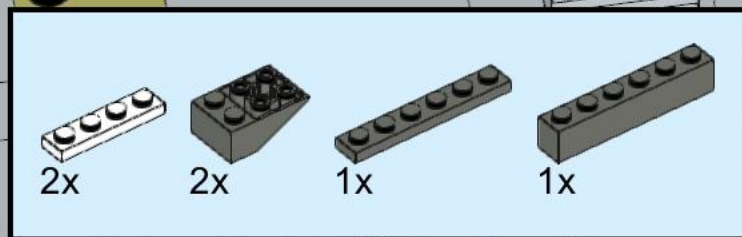
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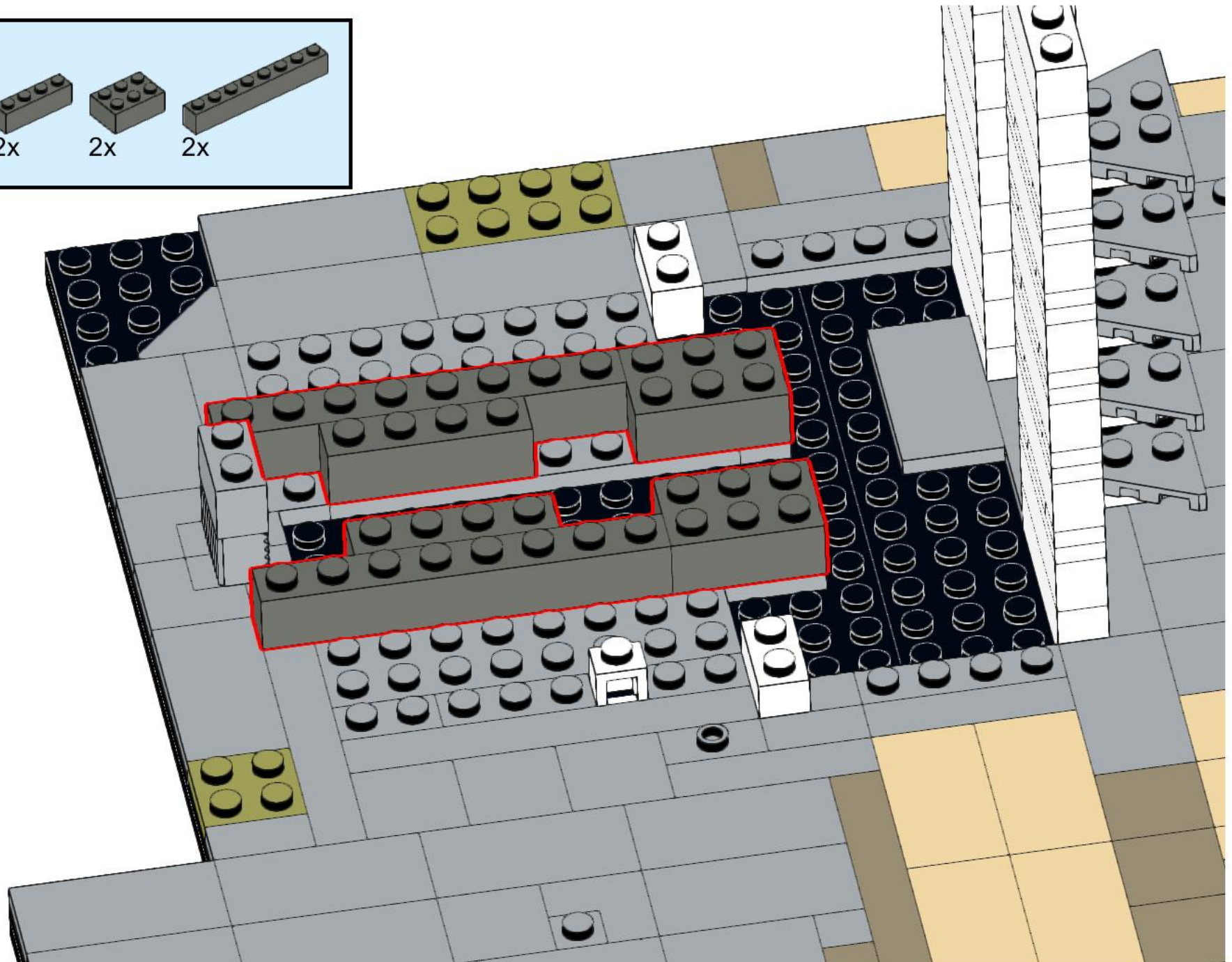
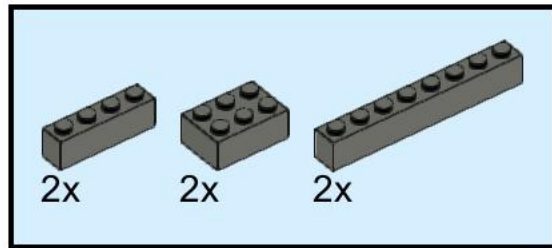
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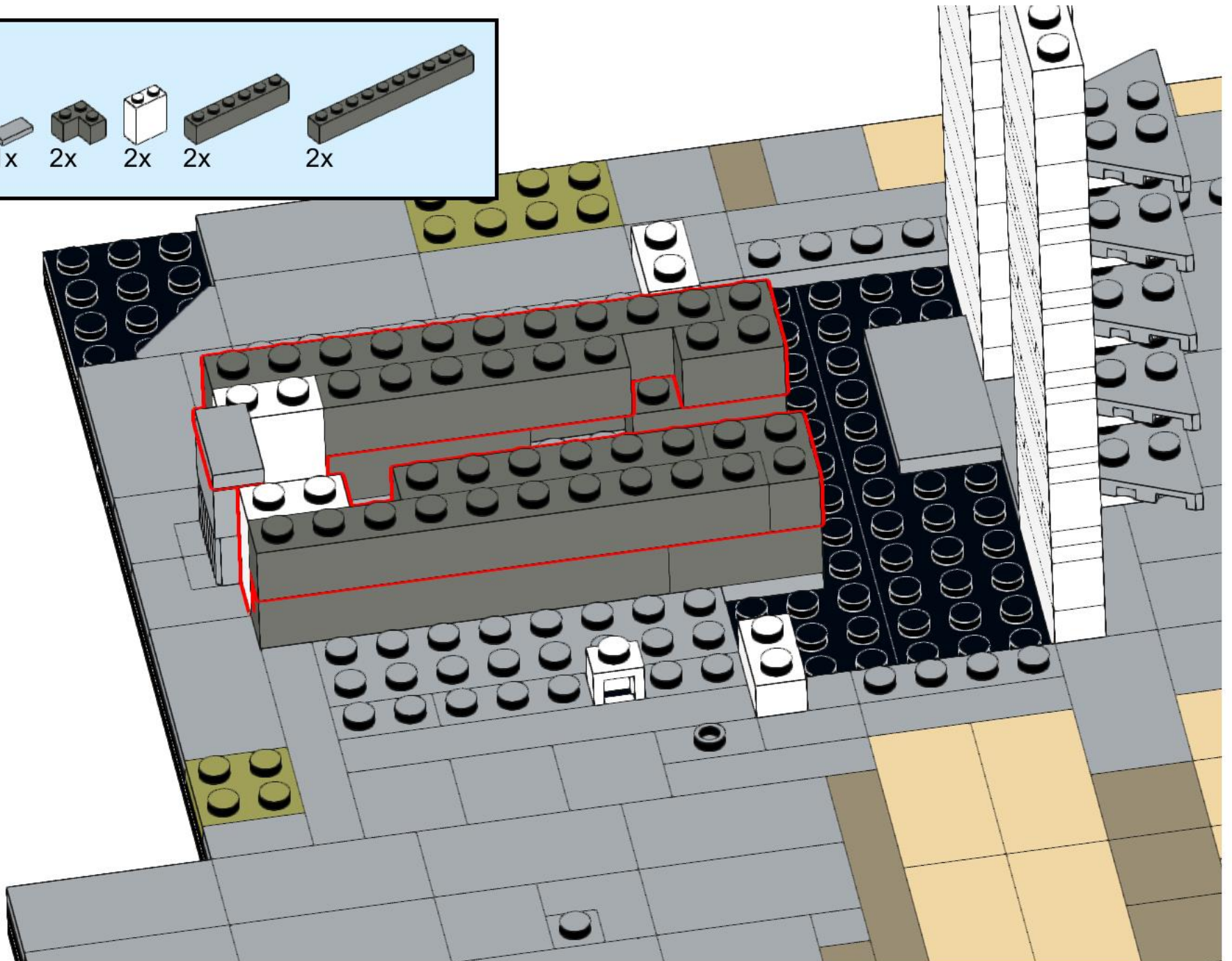
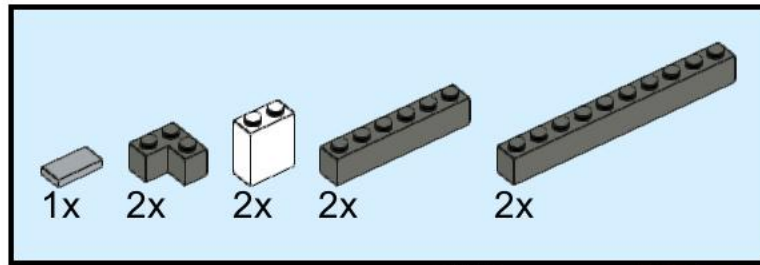
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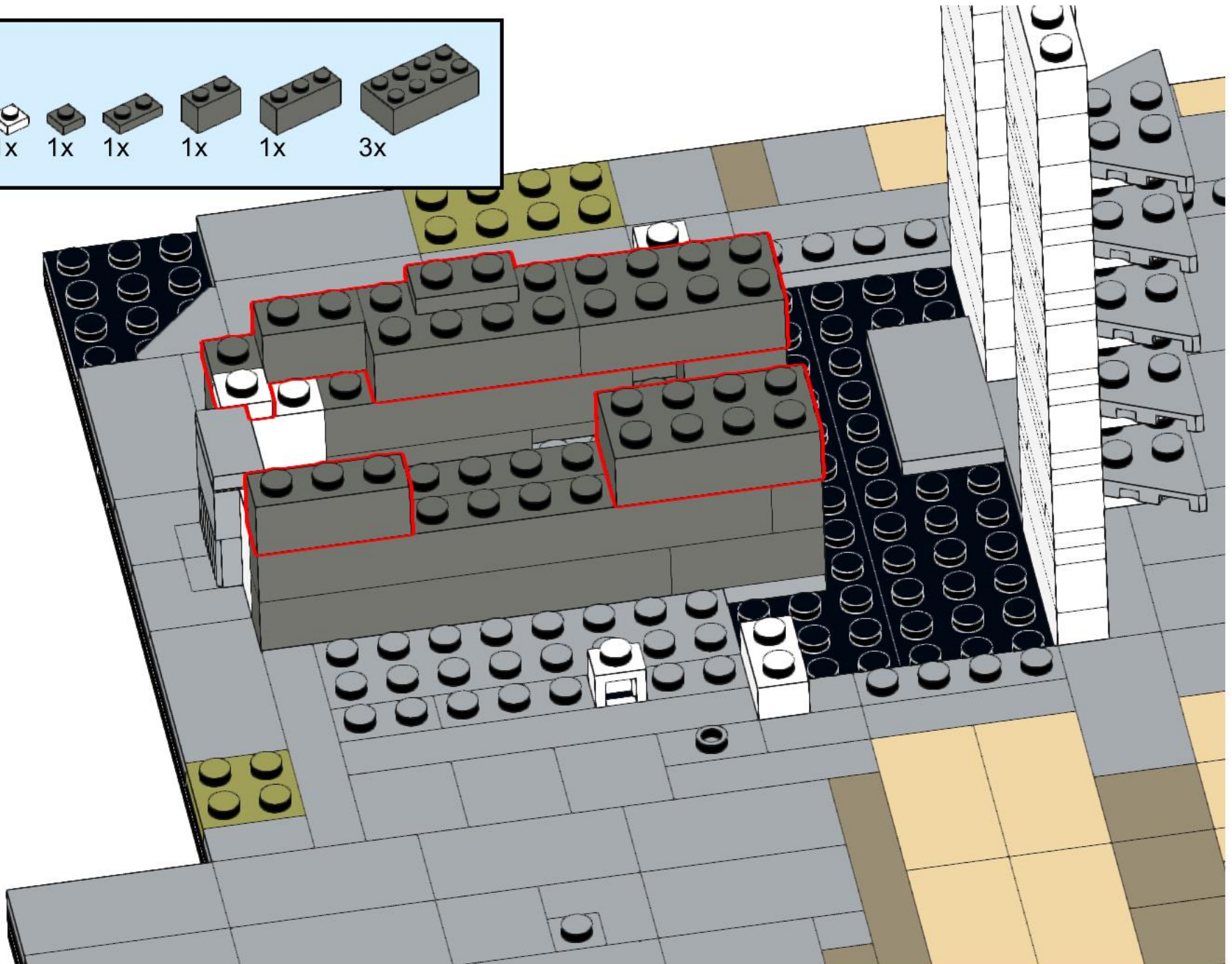
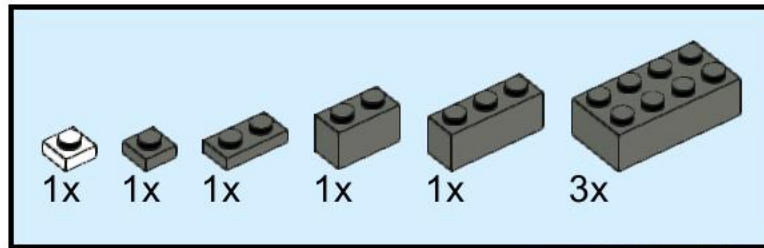
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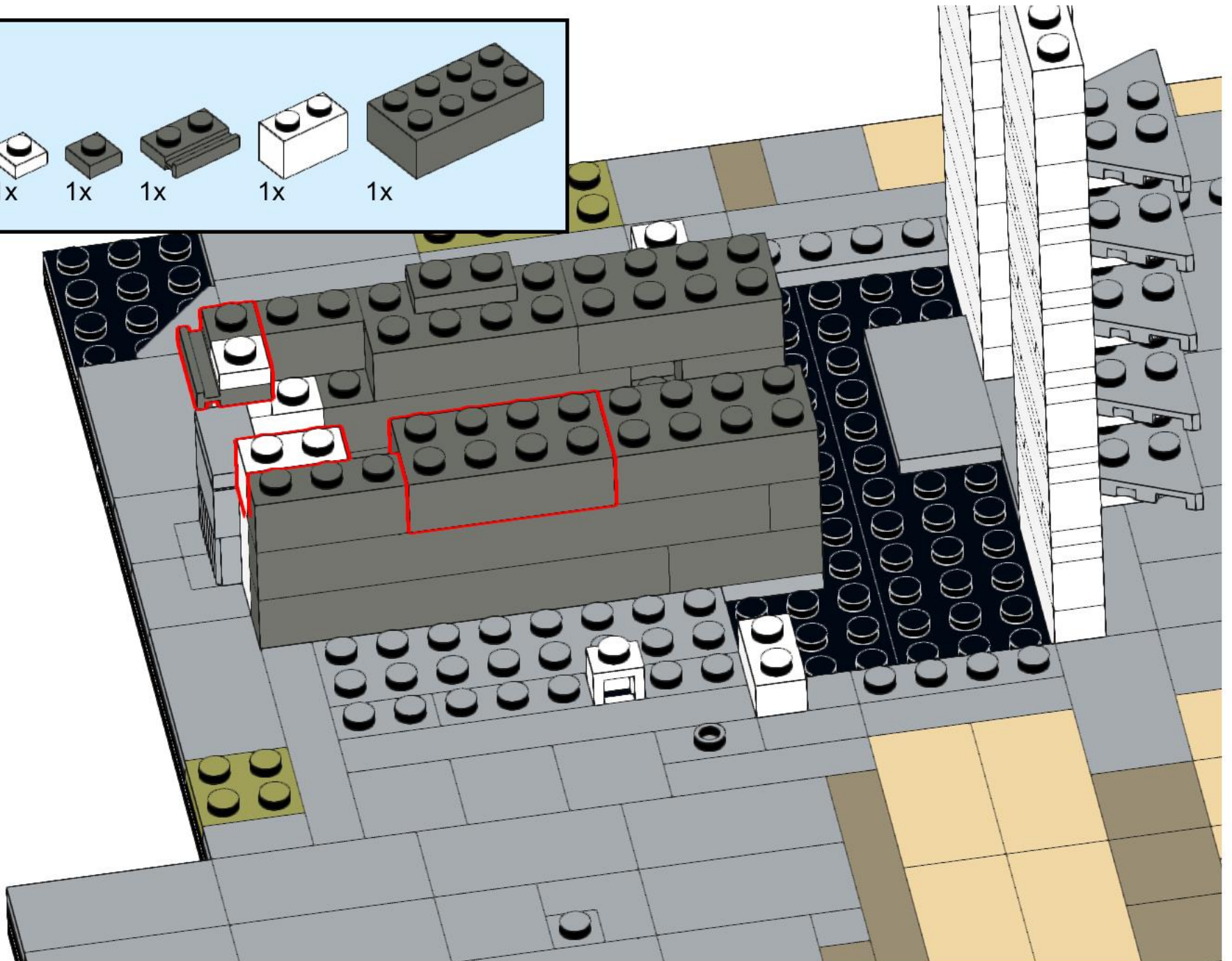
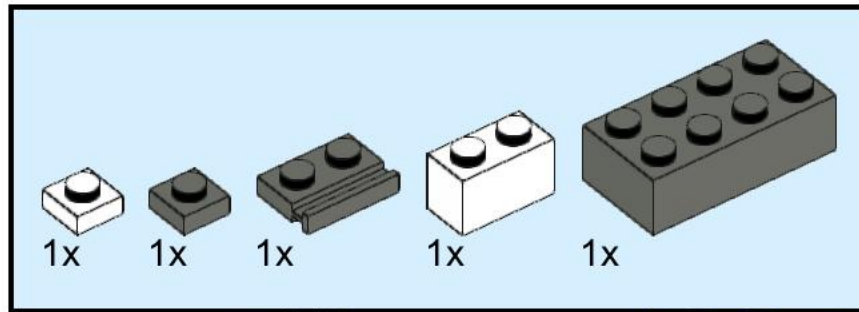
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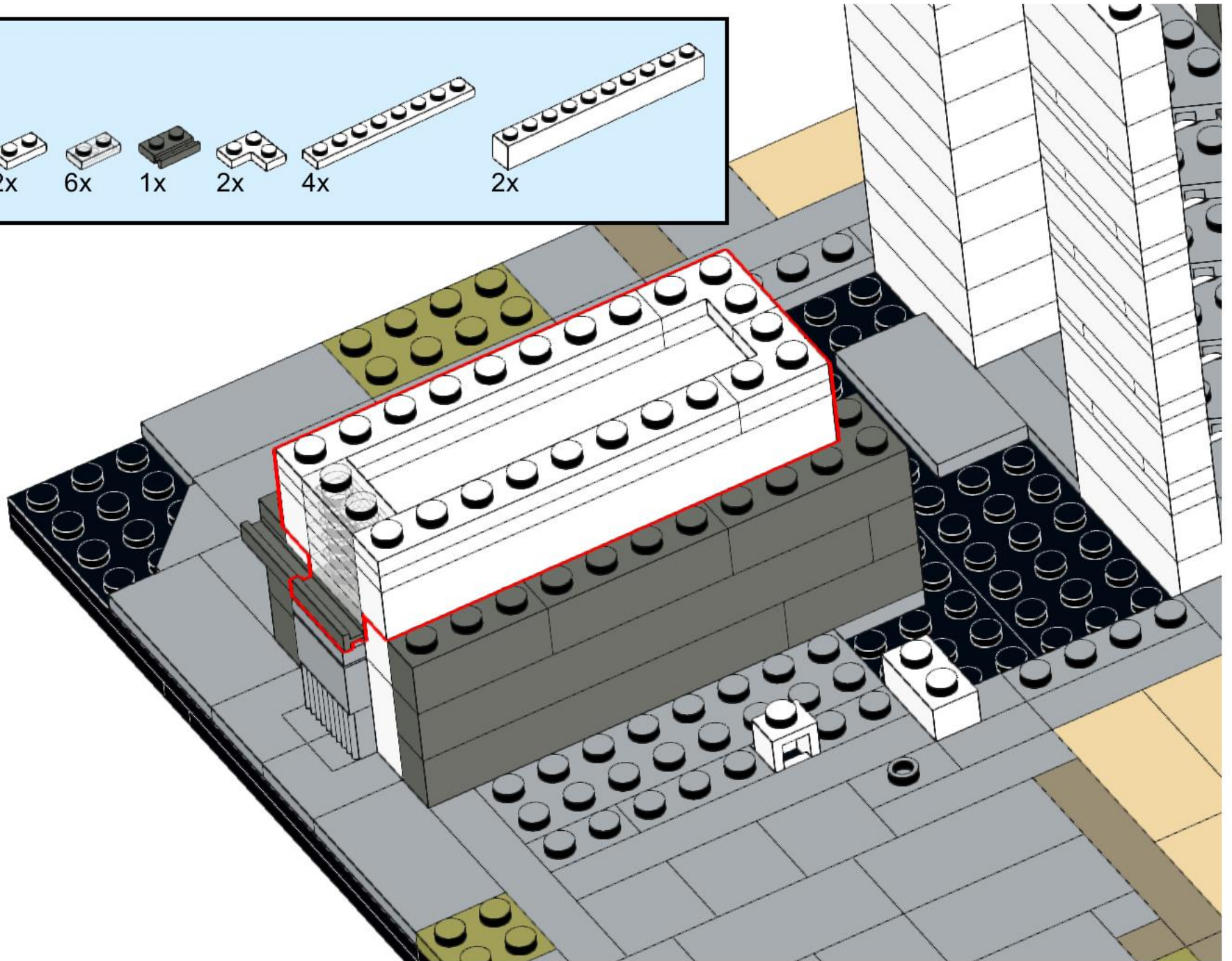
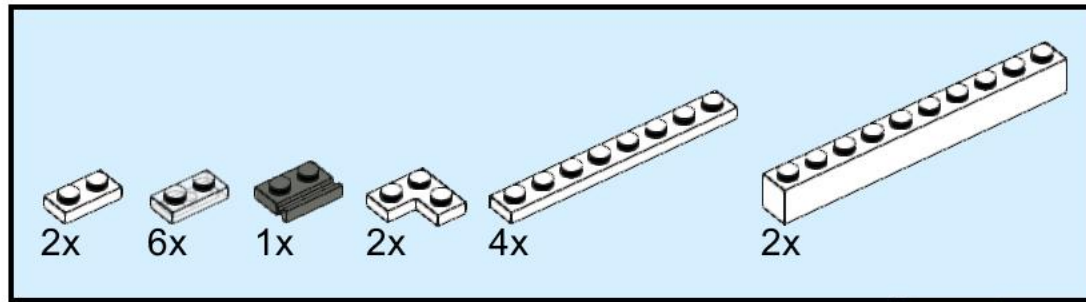
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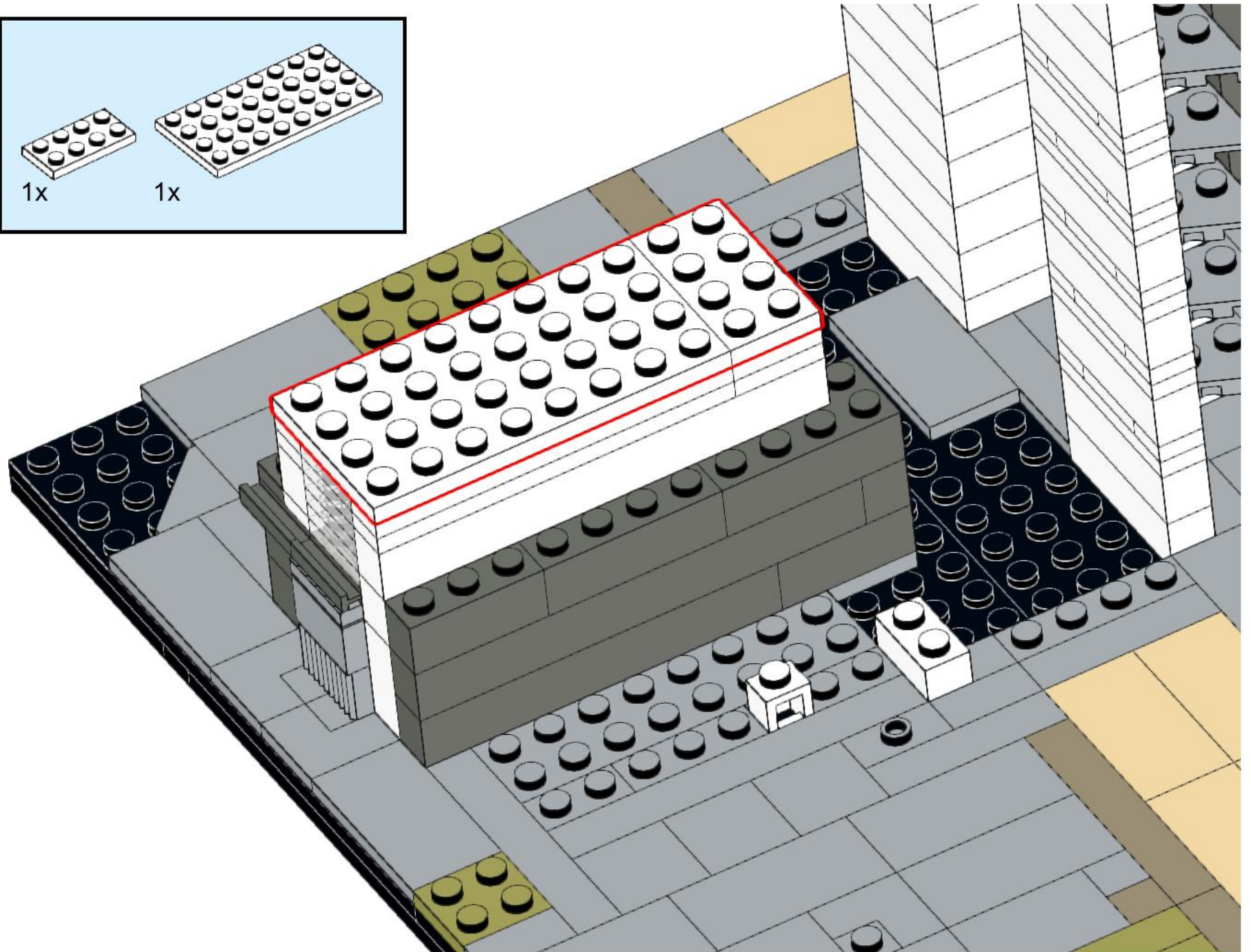
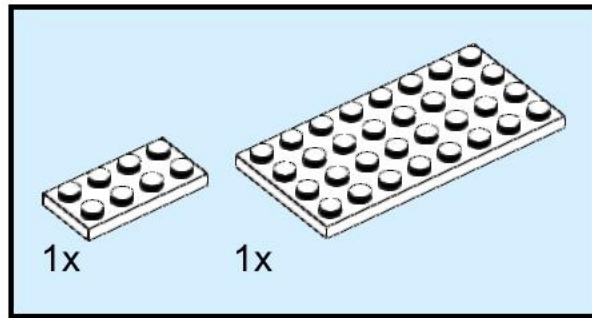
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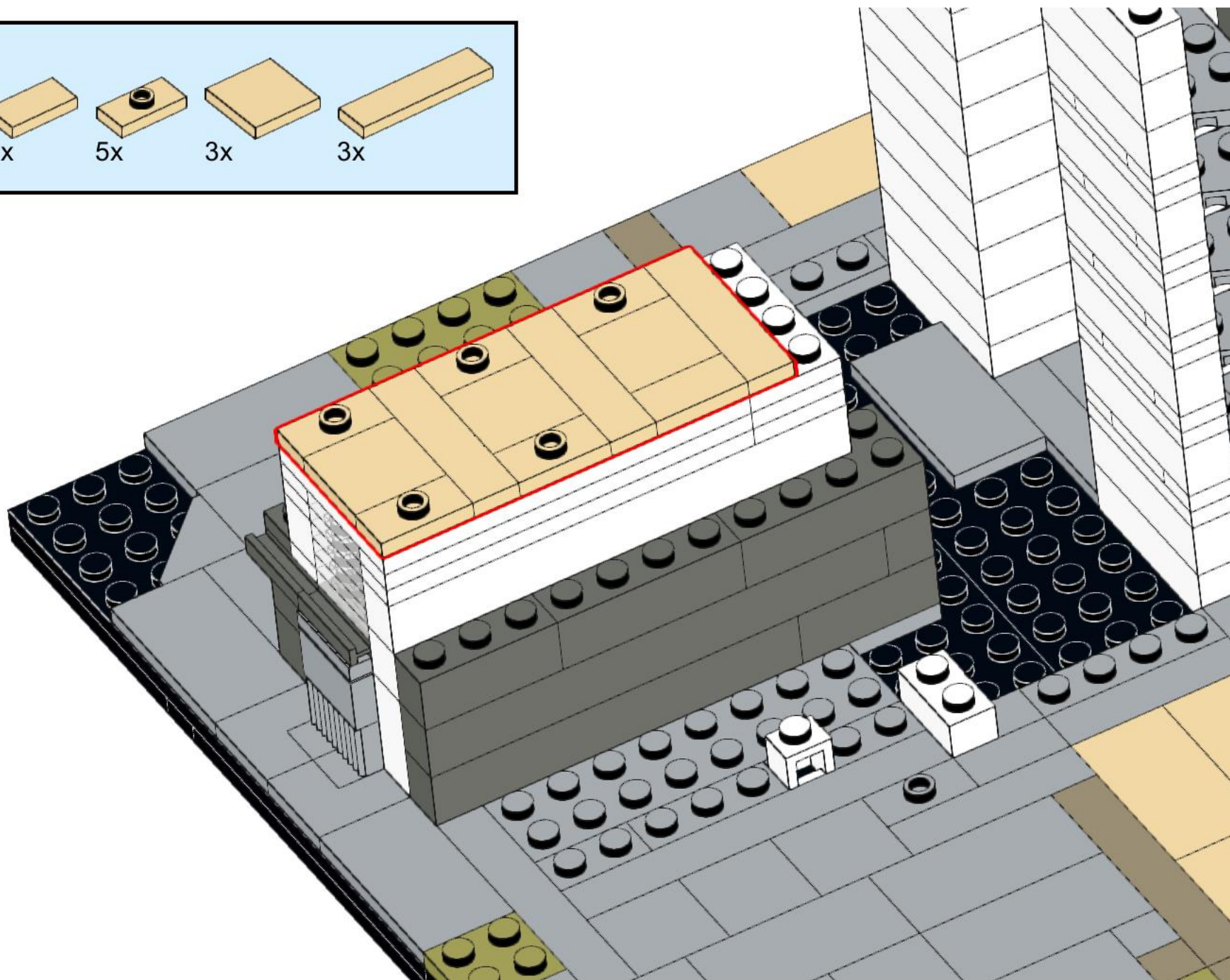
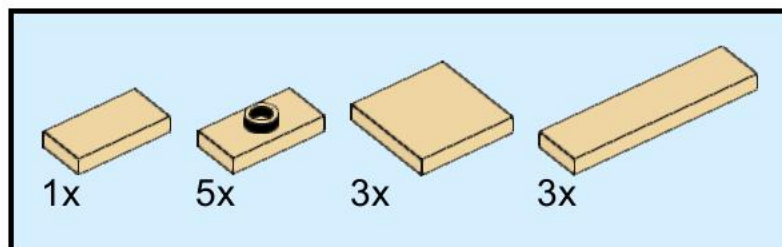
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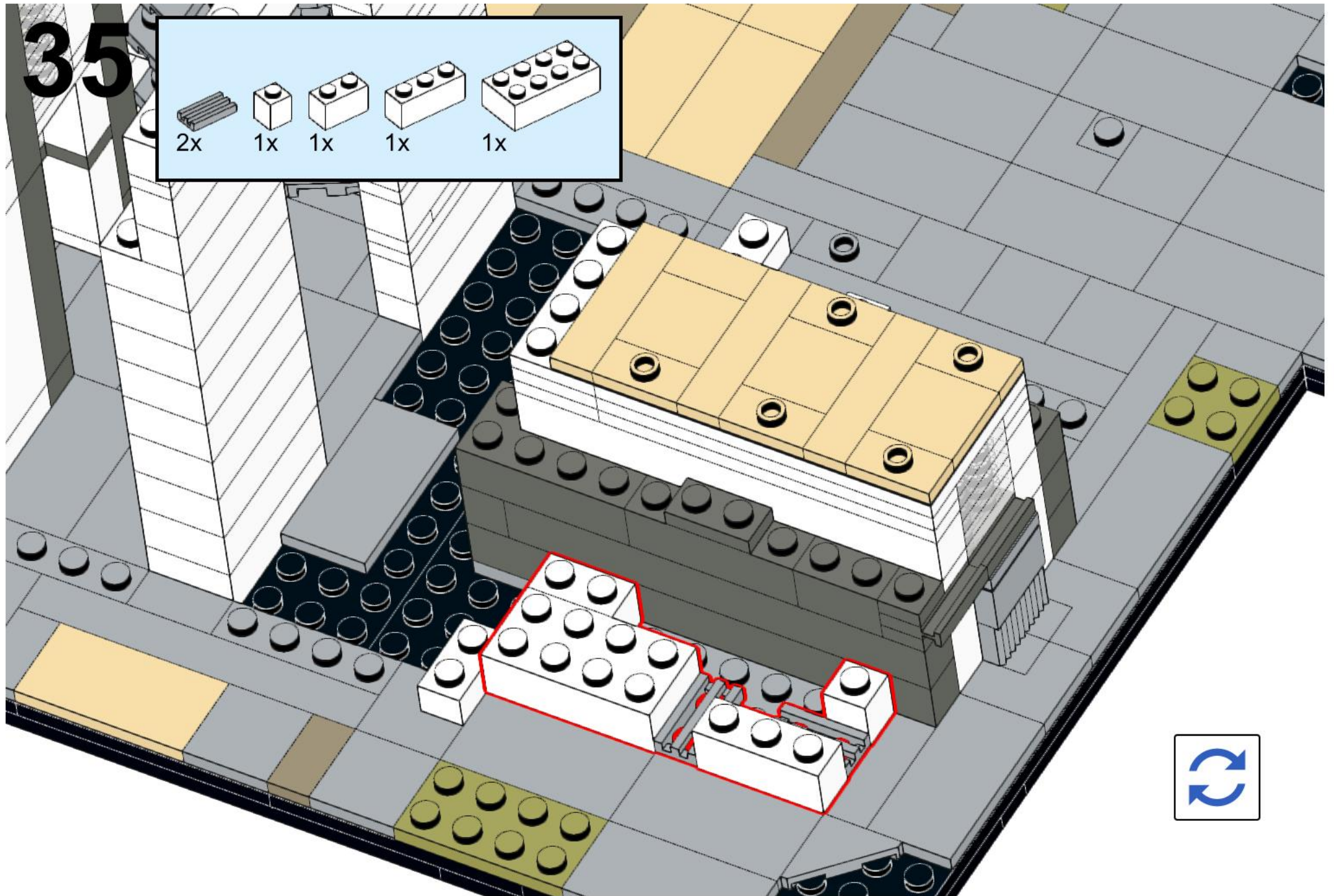
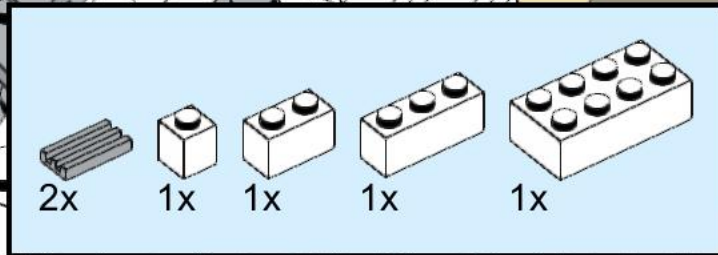
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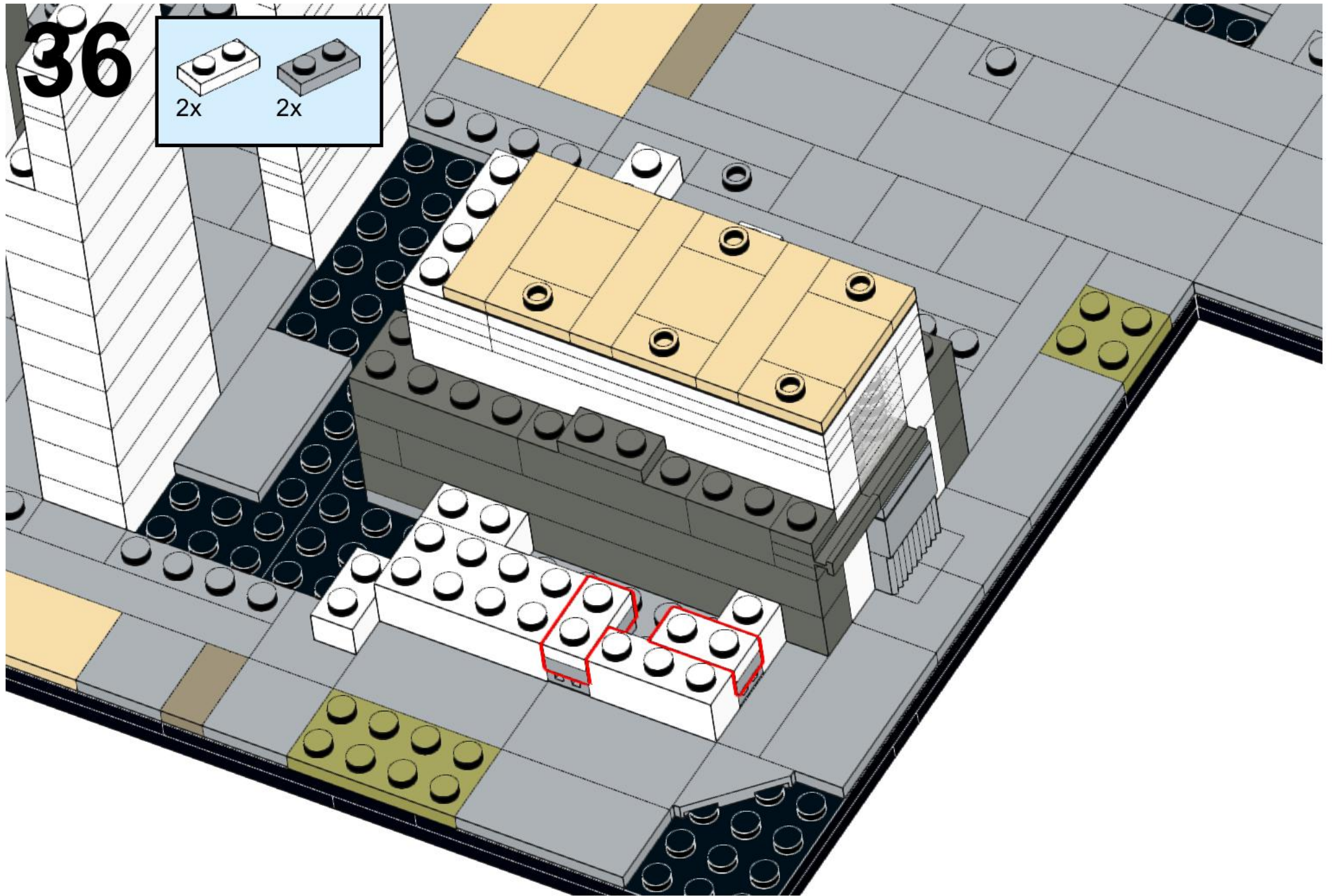
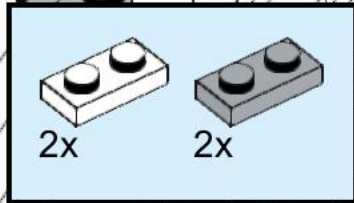
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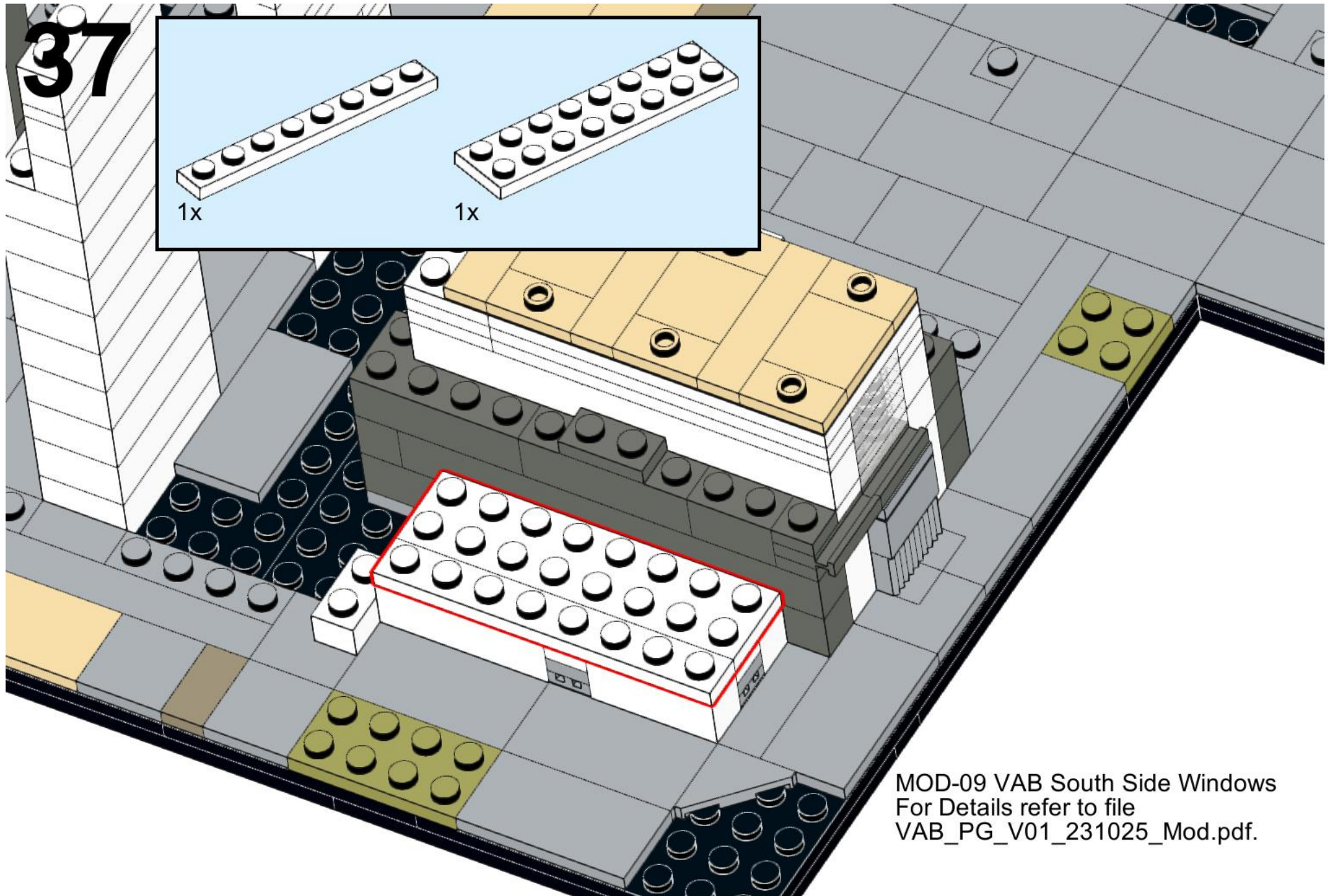
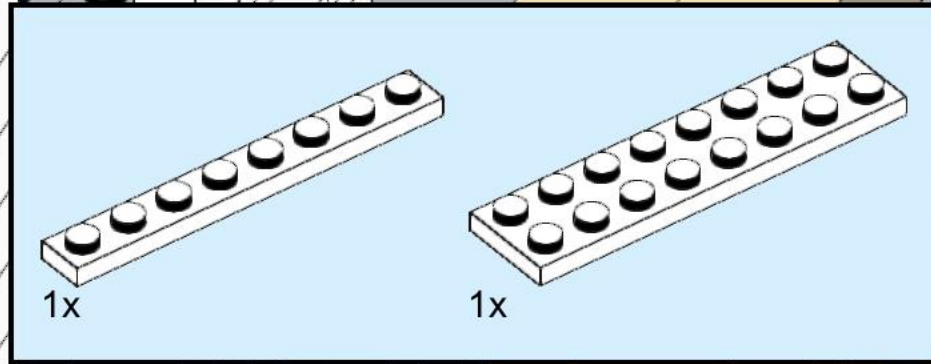
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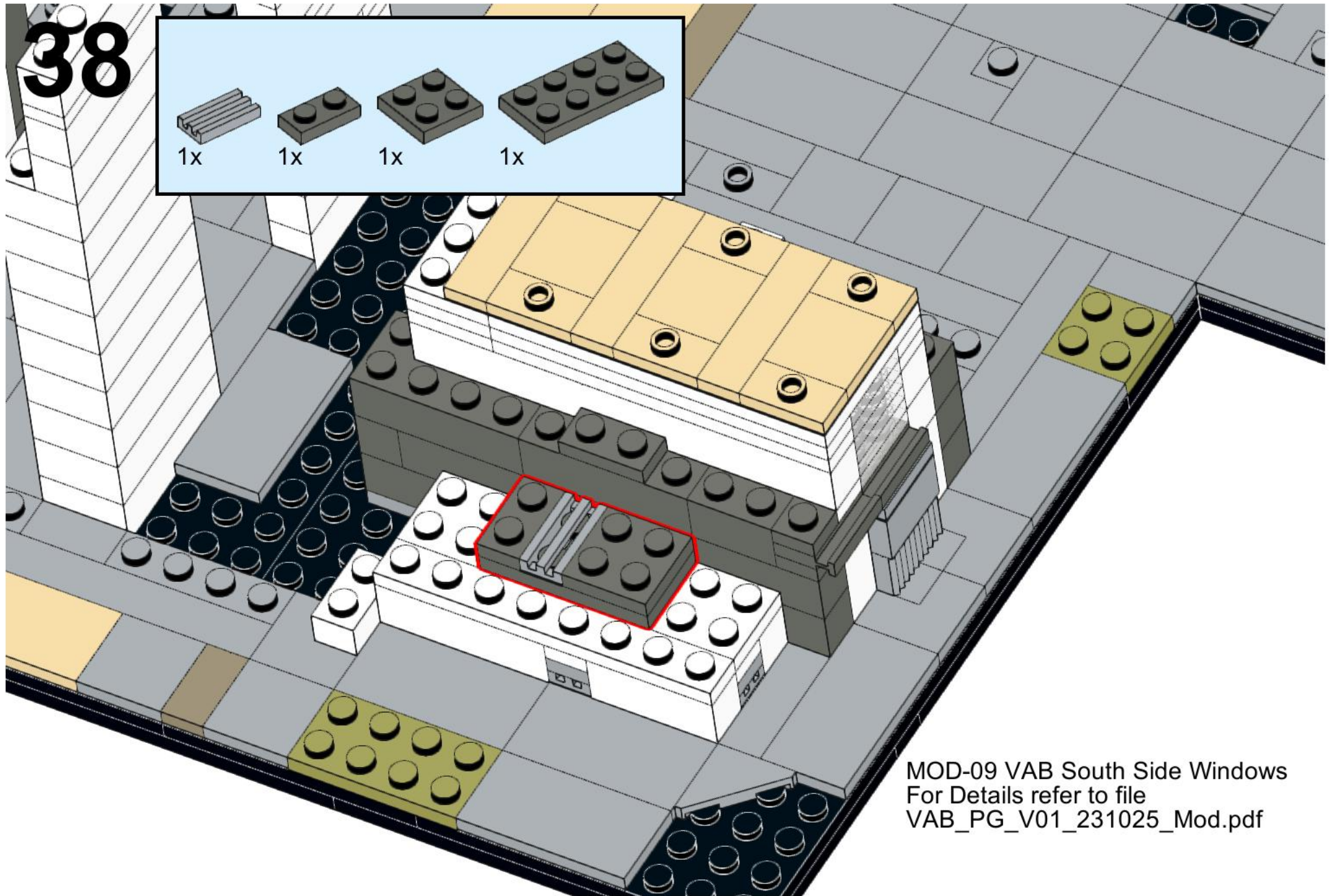
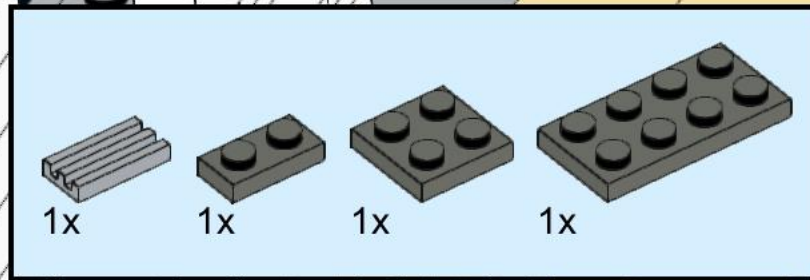


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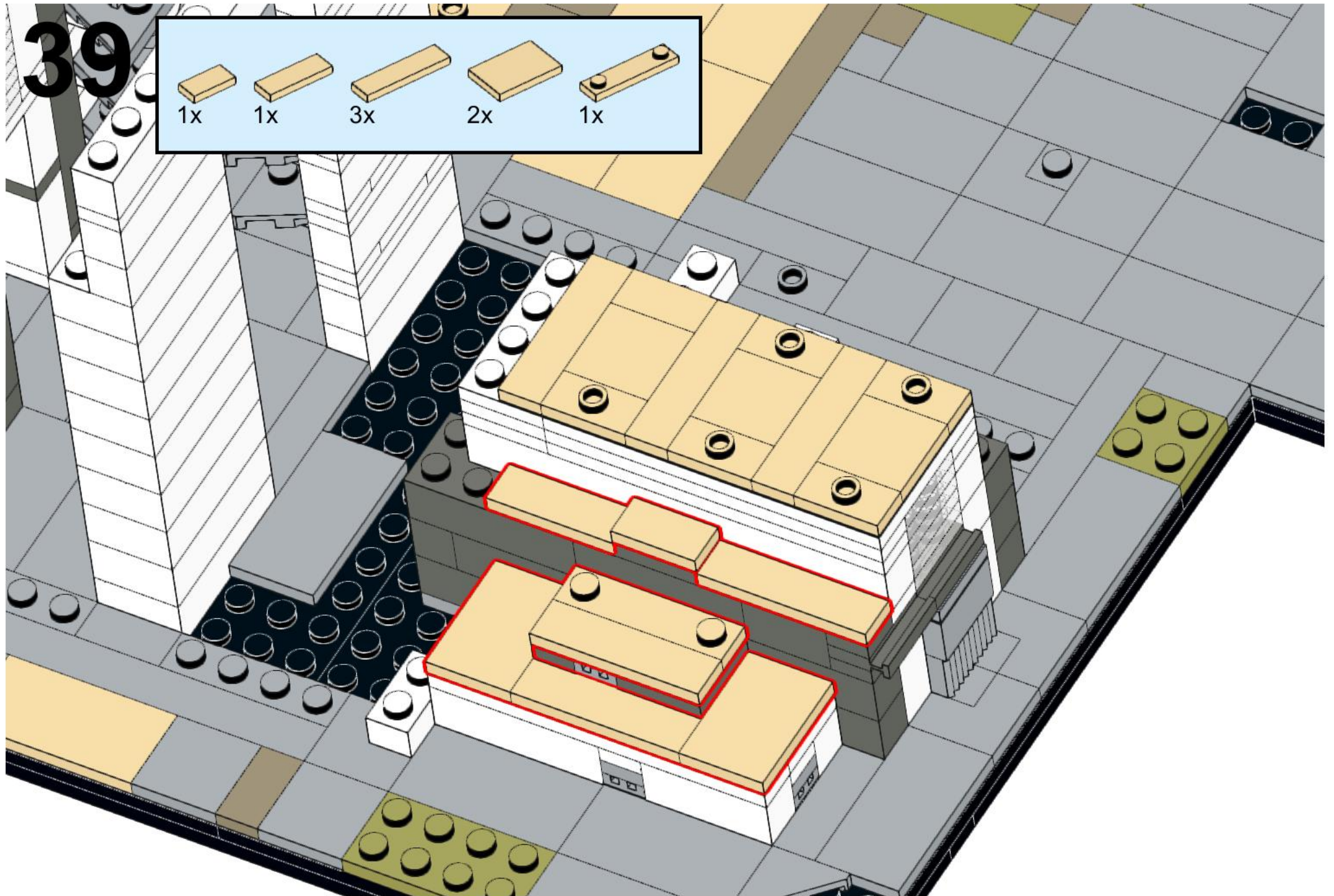
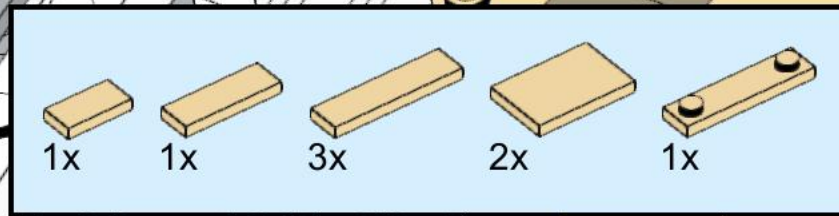
MOD-09 VAB South Side Windows
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

38

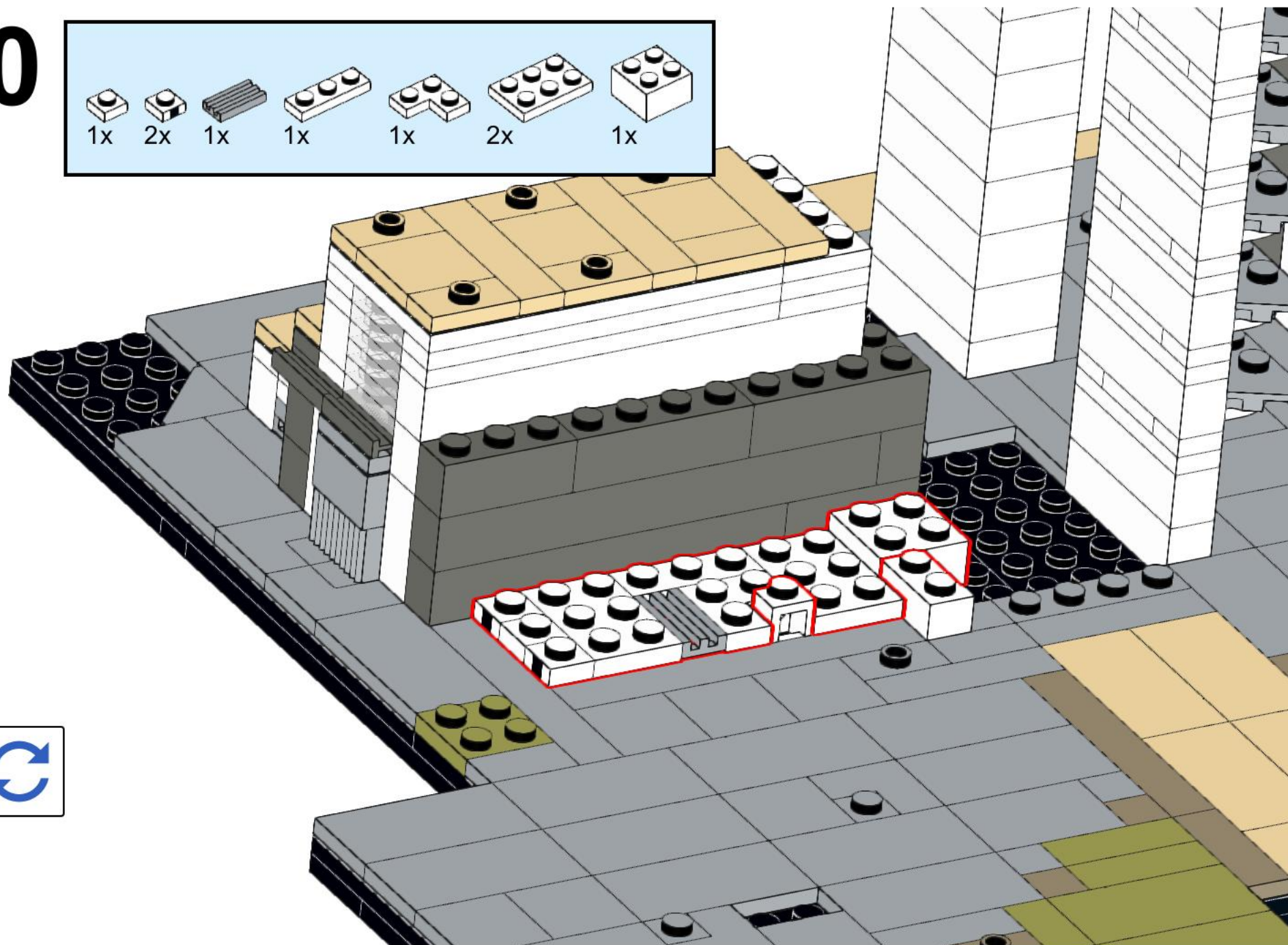
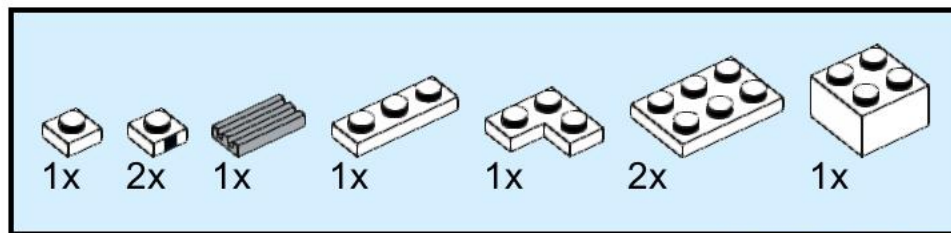


MOD-09 VAB South Side Windows
For Details refer to file
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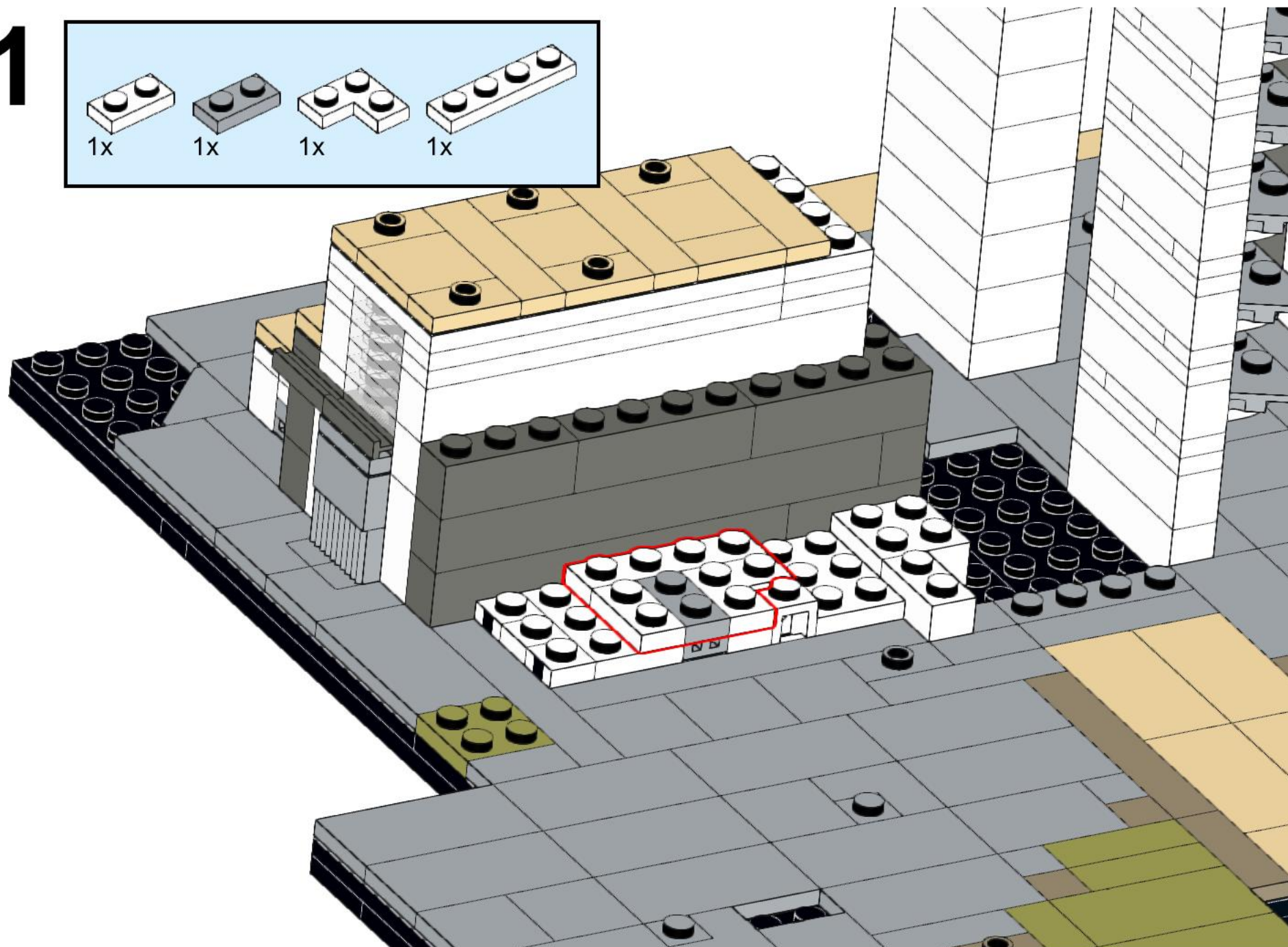
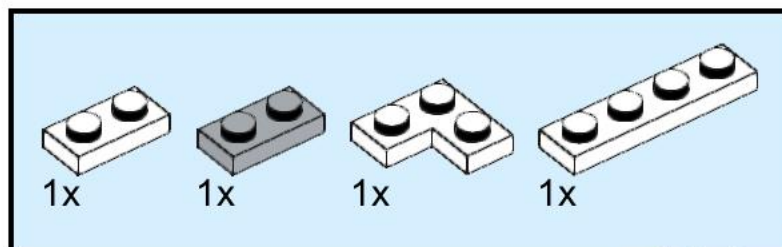
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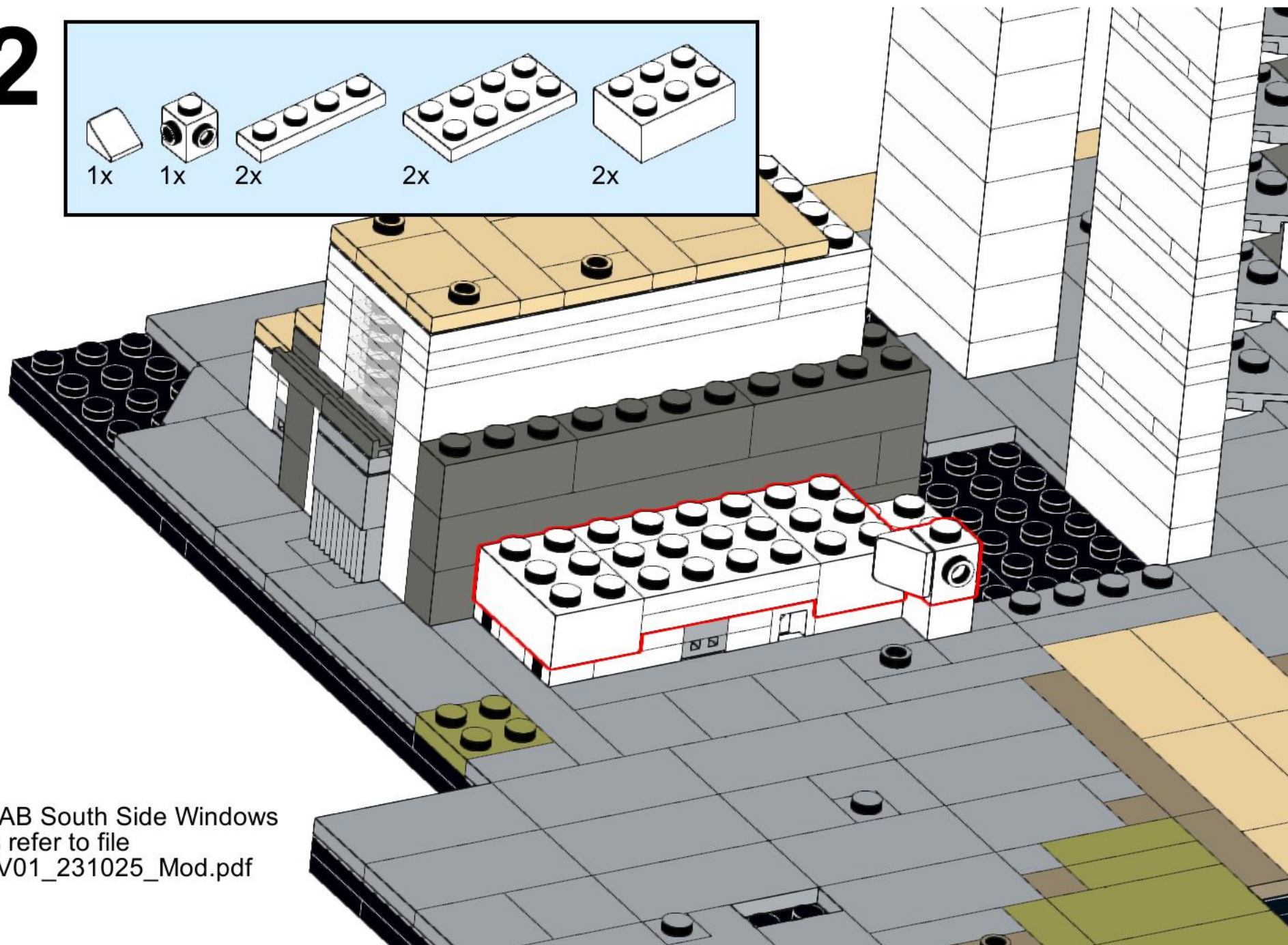
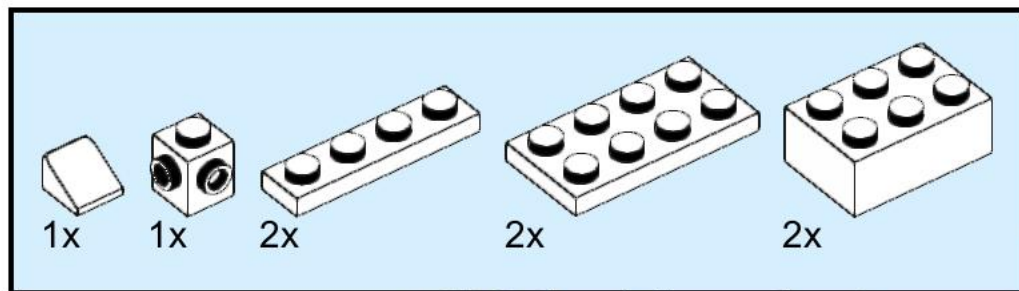
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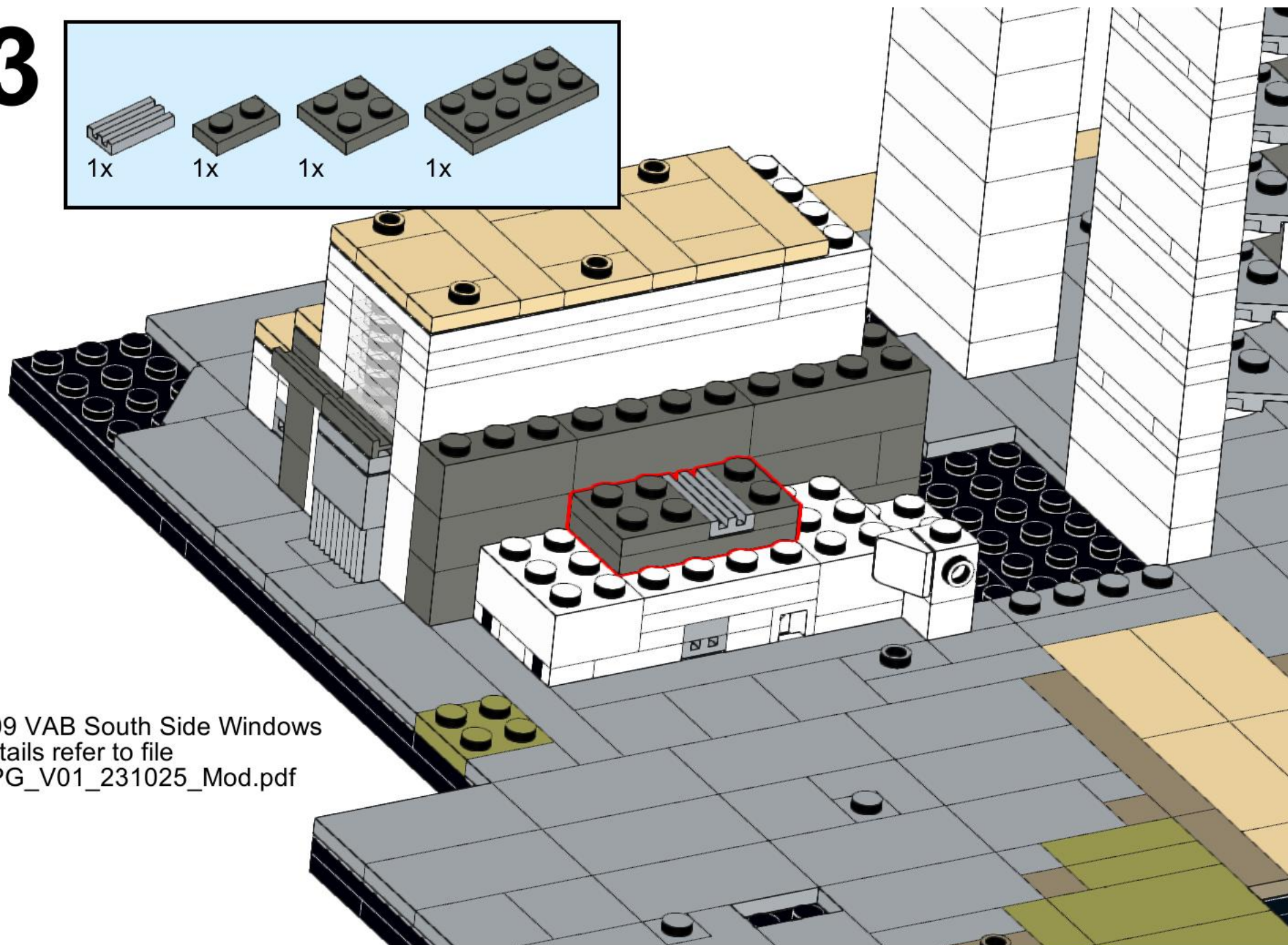
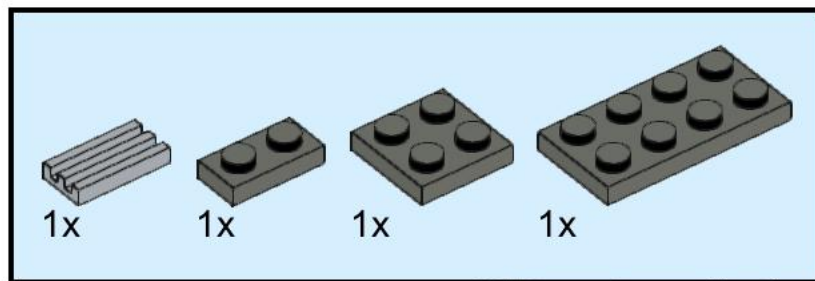


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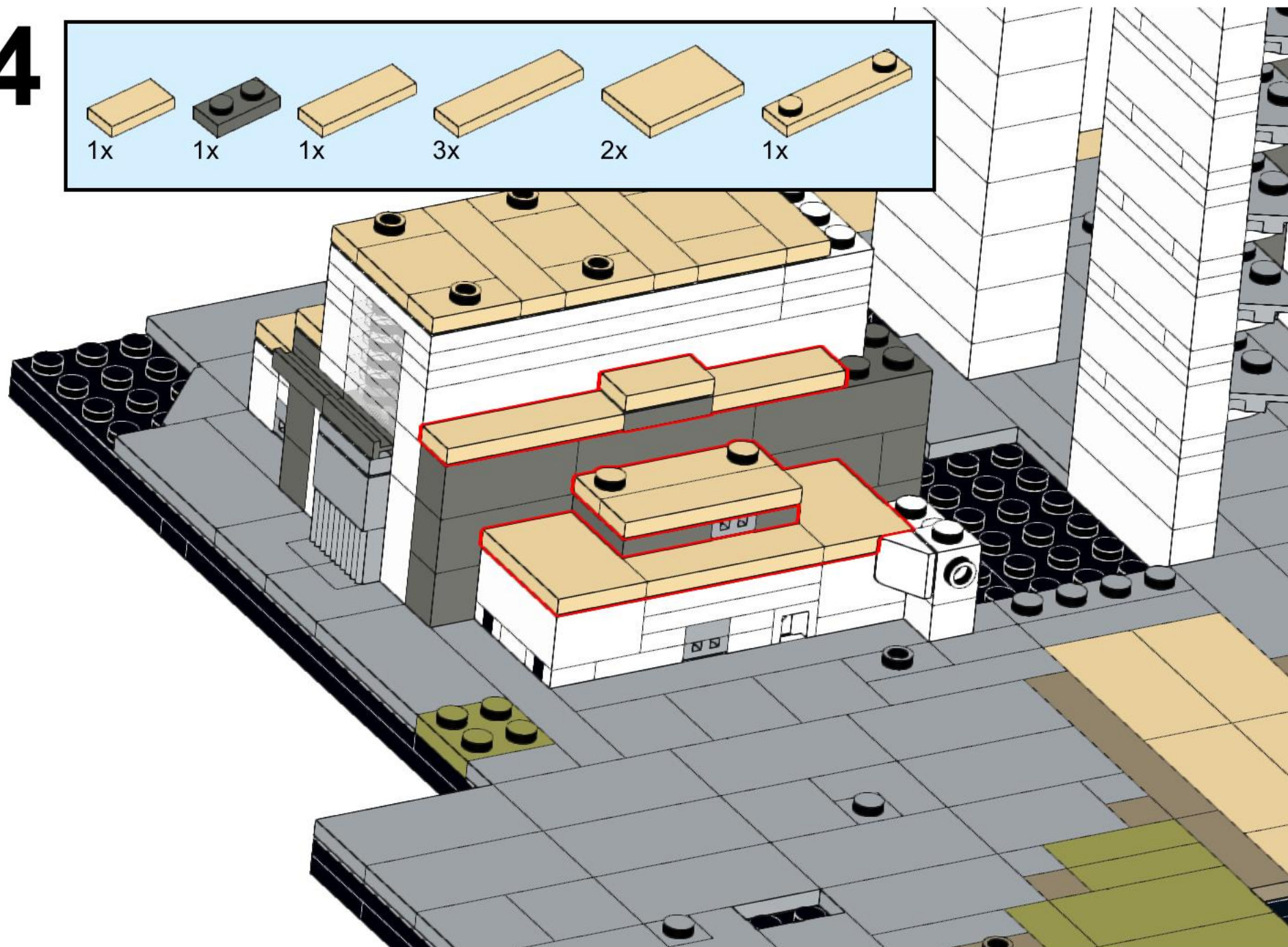
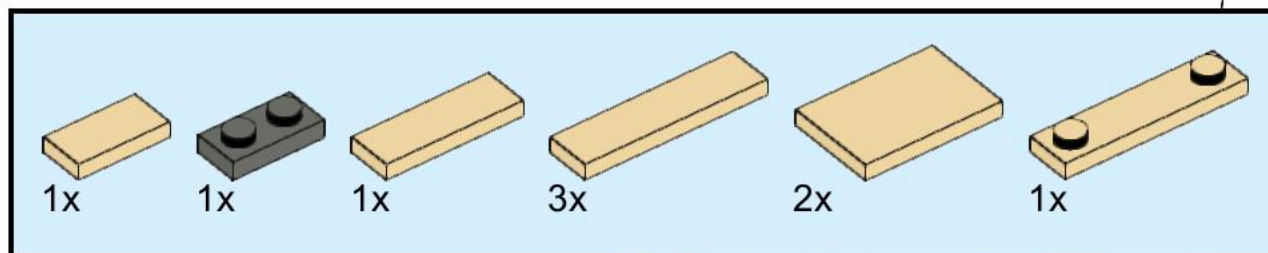
MOD-09 VAB South Side Windows
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43

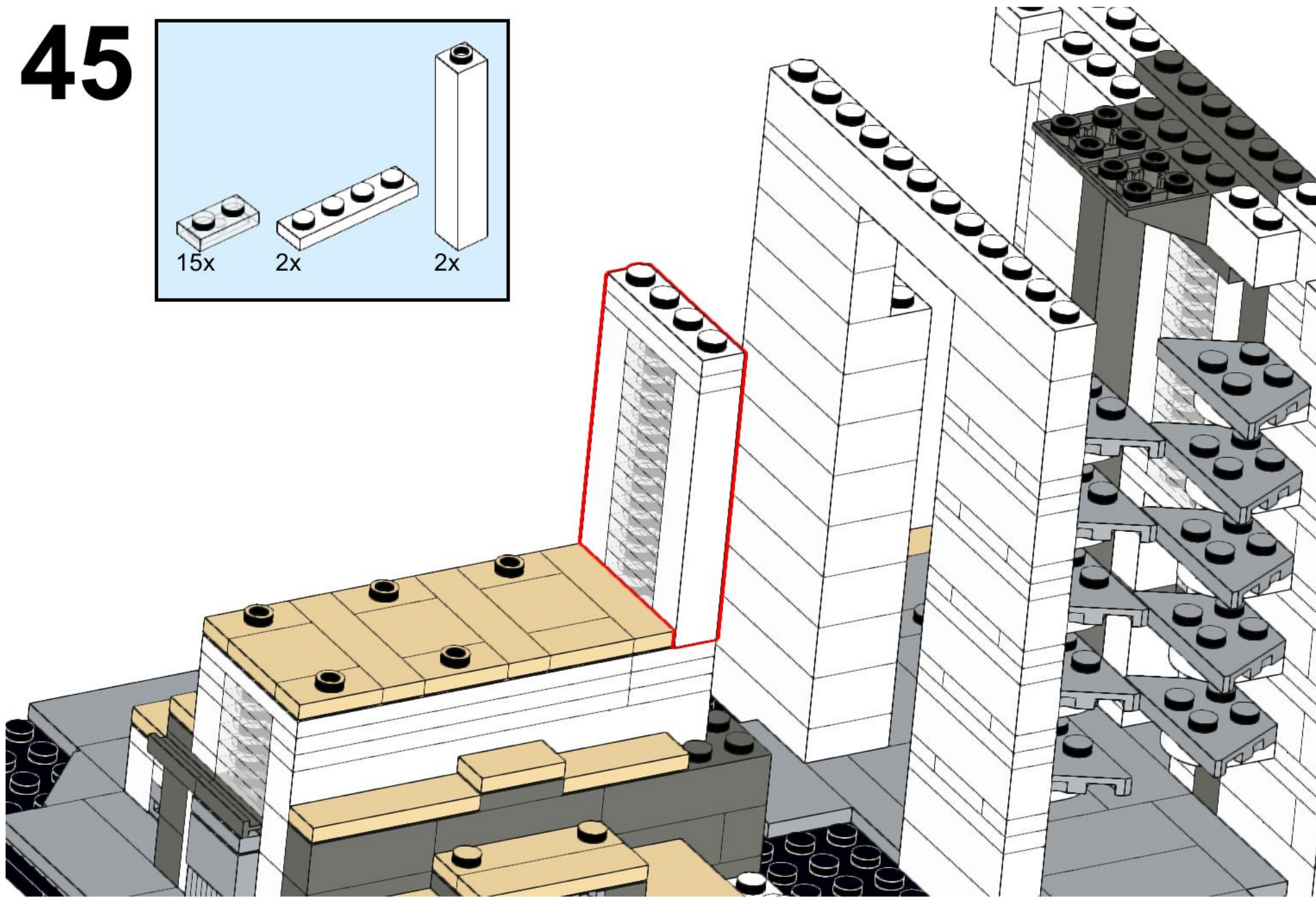
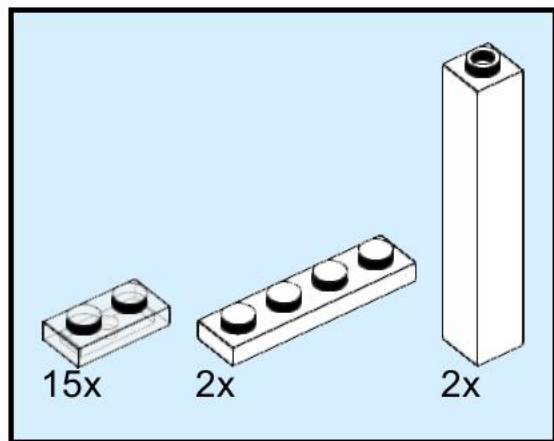


MOD-09 VAB South Side Windows
For Details refer to file
VAB_PG_V01_231025_Mod.pdf

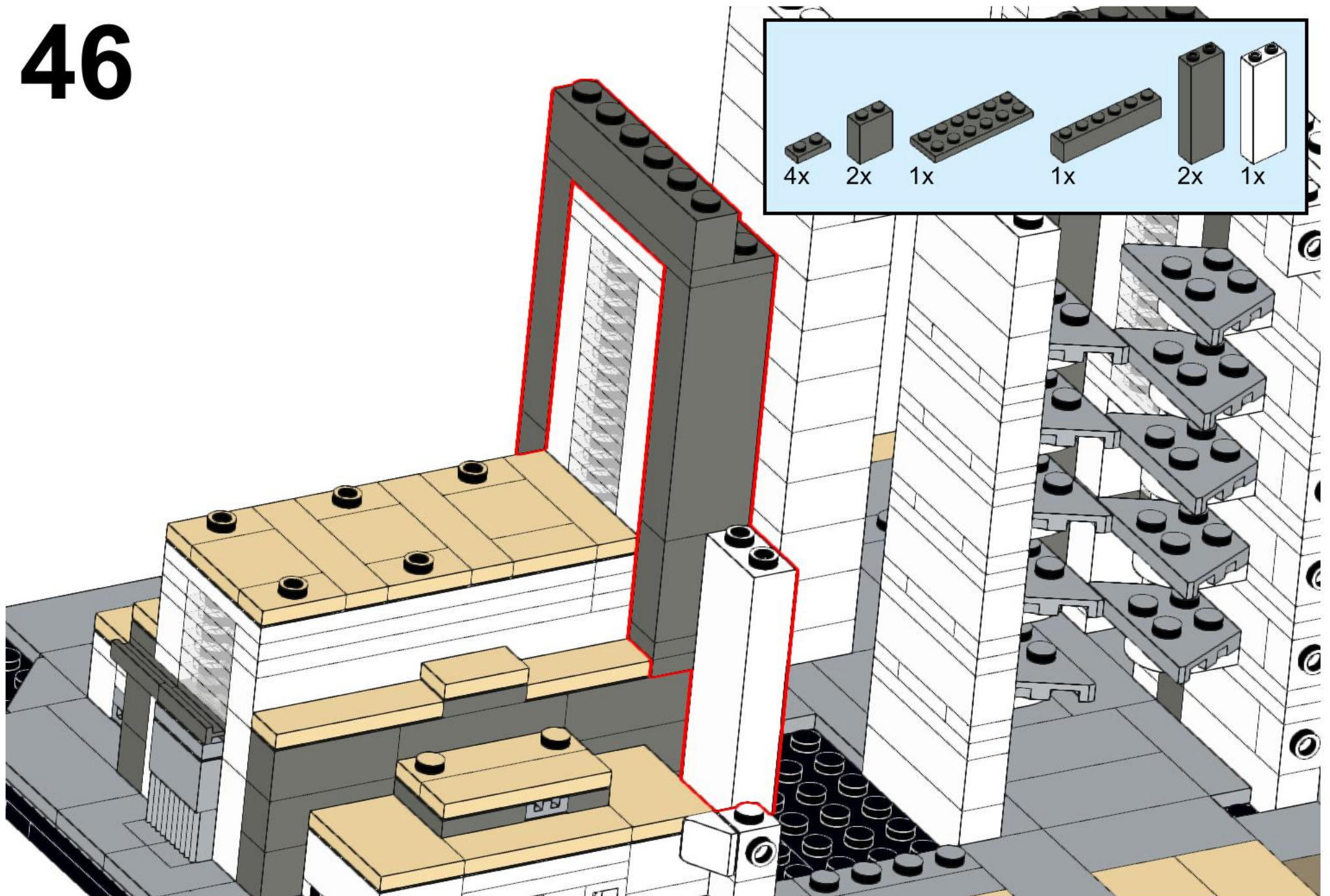
44

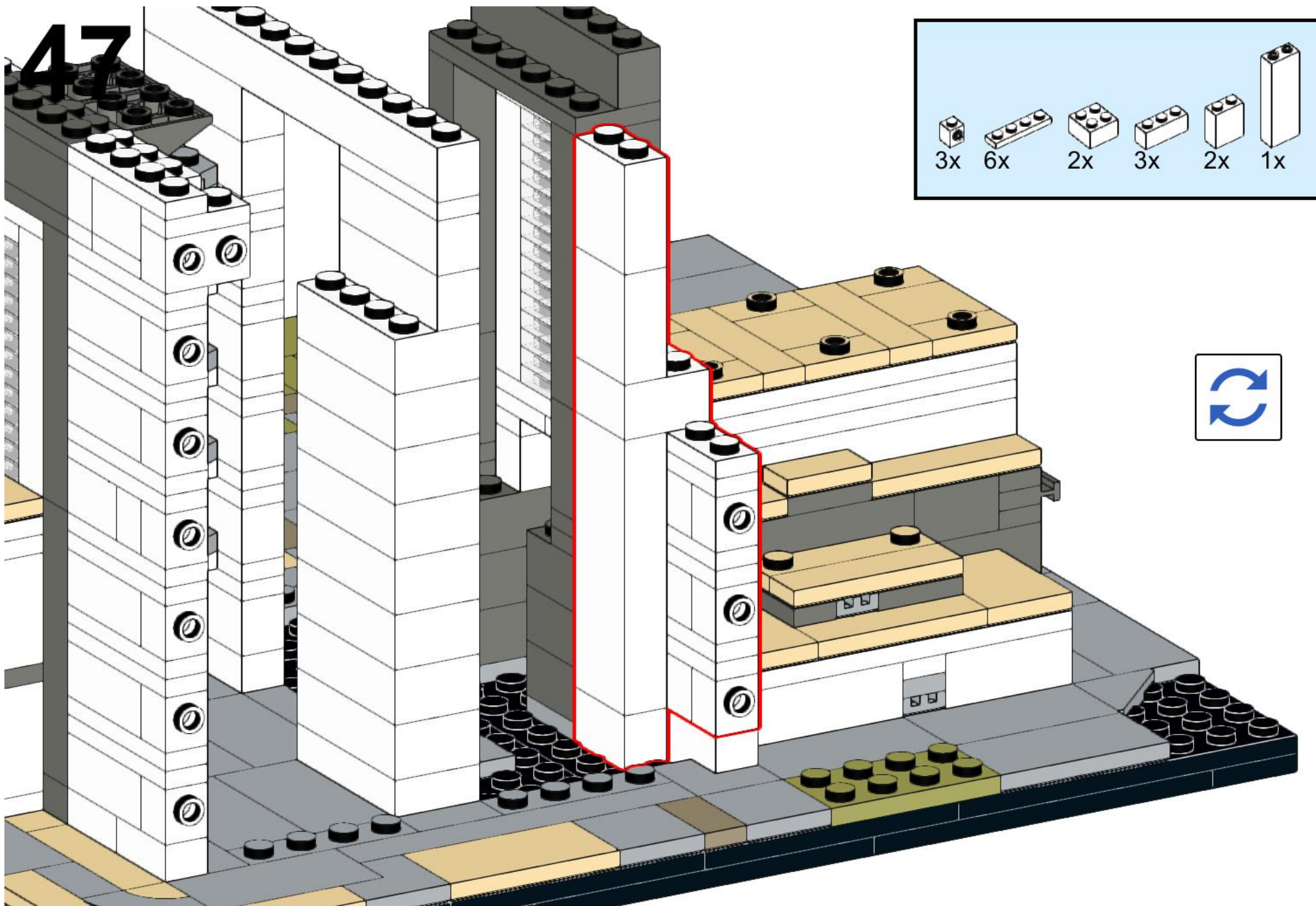


45

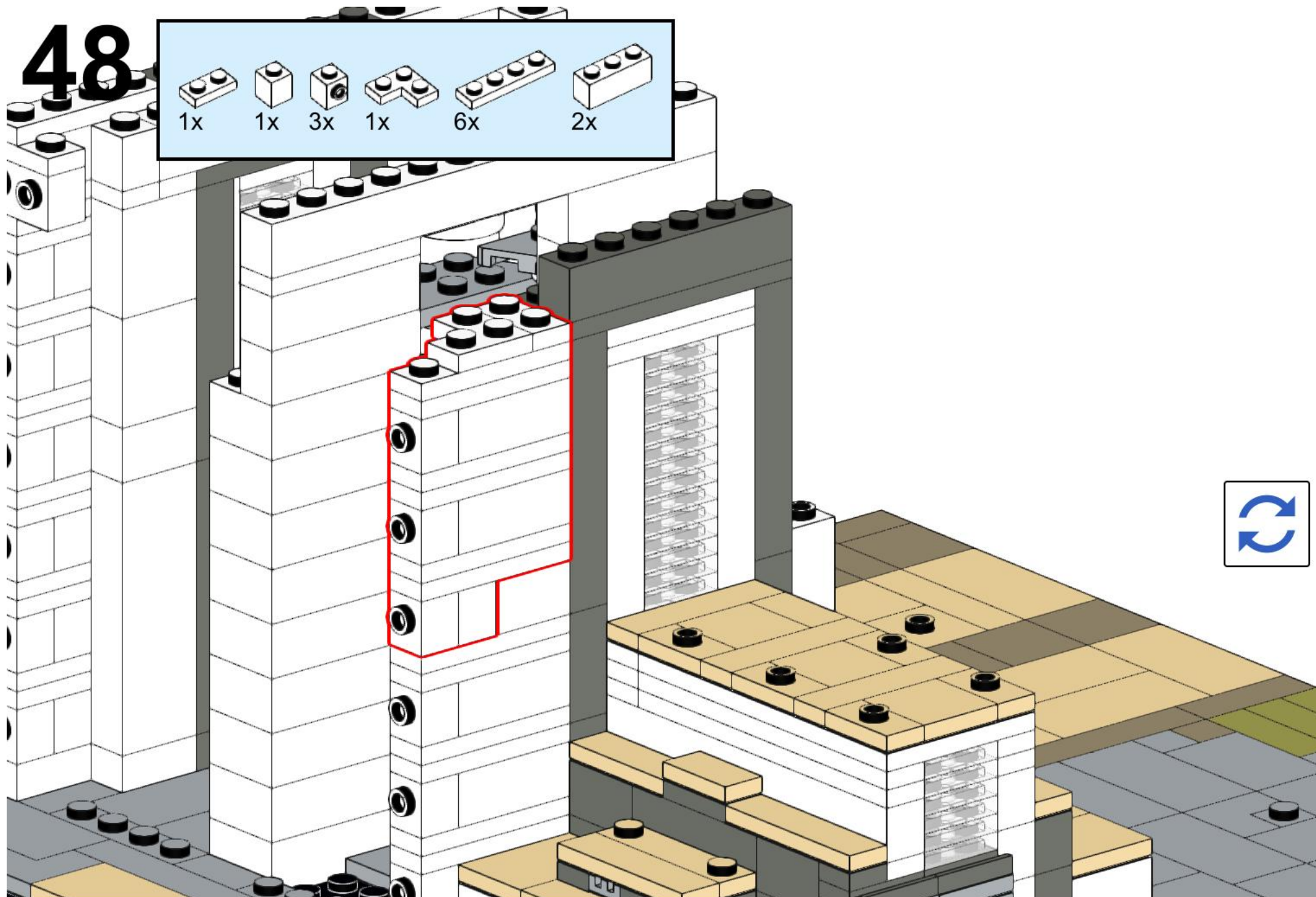
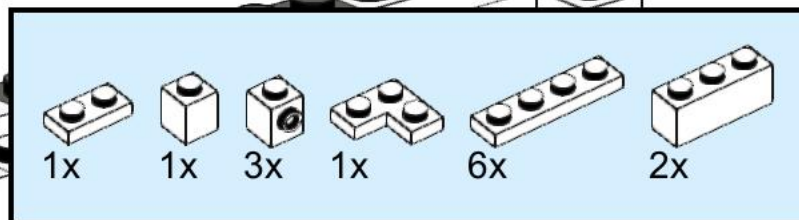


46





48



49

This image shows step 49 of a LEGO building process. A white wall is being constructed, with a red outline highlighting the area to be built. The wall is 10 studs high and 2 studs wide. The parts list for this step is as follows:

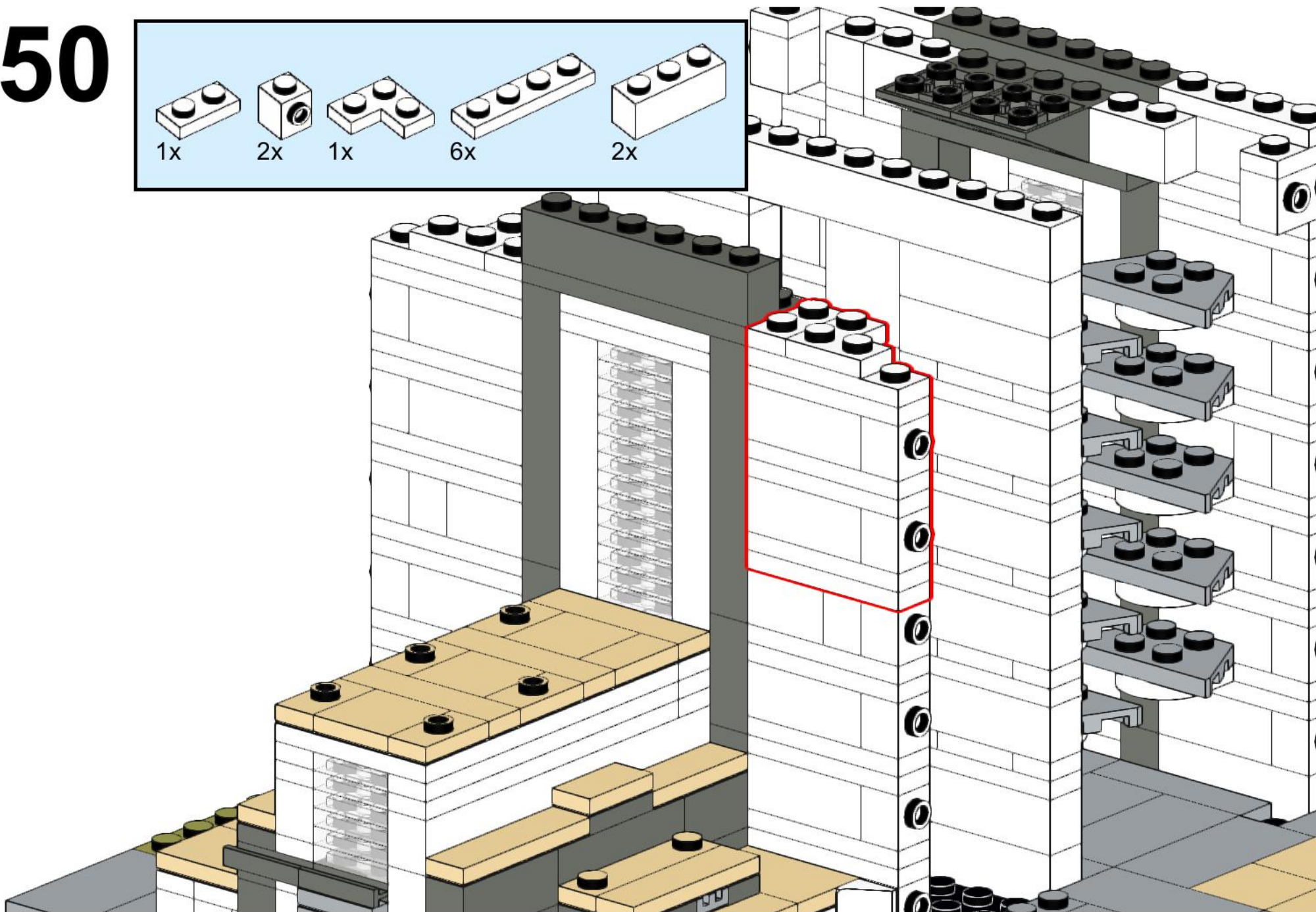
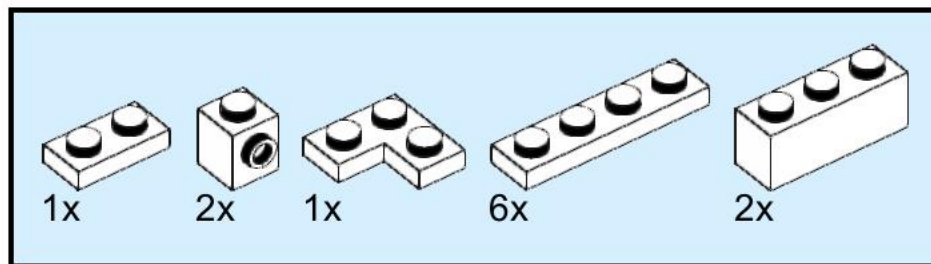
Part	Quantity
1x 1x1 White Brick	1x
3x 1x1 White Brick	3x
6x 1x3 White Brick	6x
1x 1x4 White Brick	1x
3x 1x2 White Brick	3x
2x 1x2 White Brick	2x

This image shows step 49 of a LEGO building process. A white wall is being constructed, with a red outline highlighting the area to be built. The wall is 10 studs high and 2 studs wide. The parts list for this step is as follows:

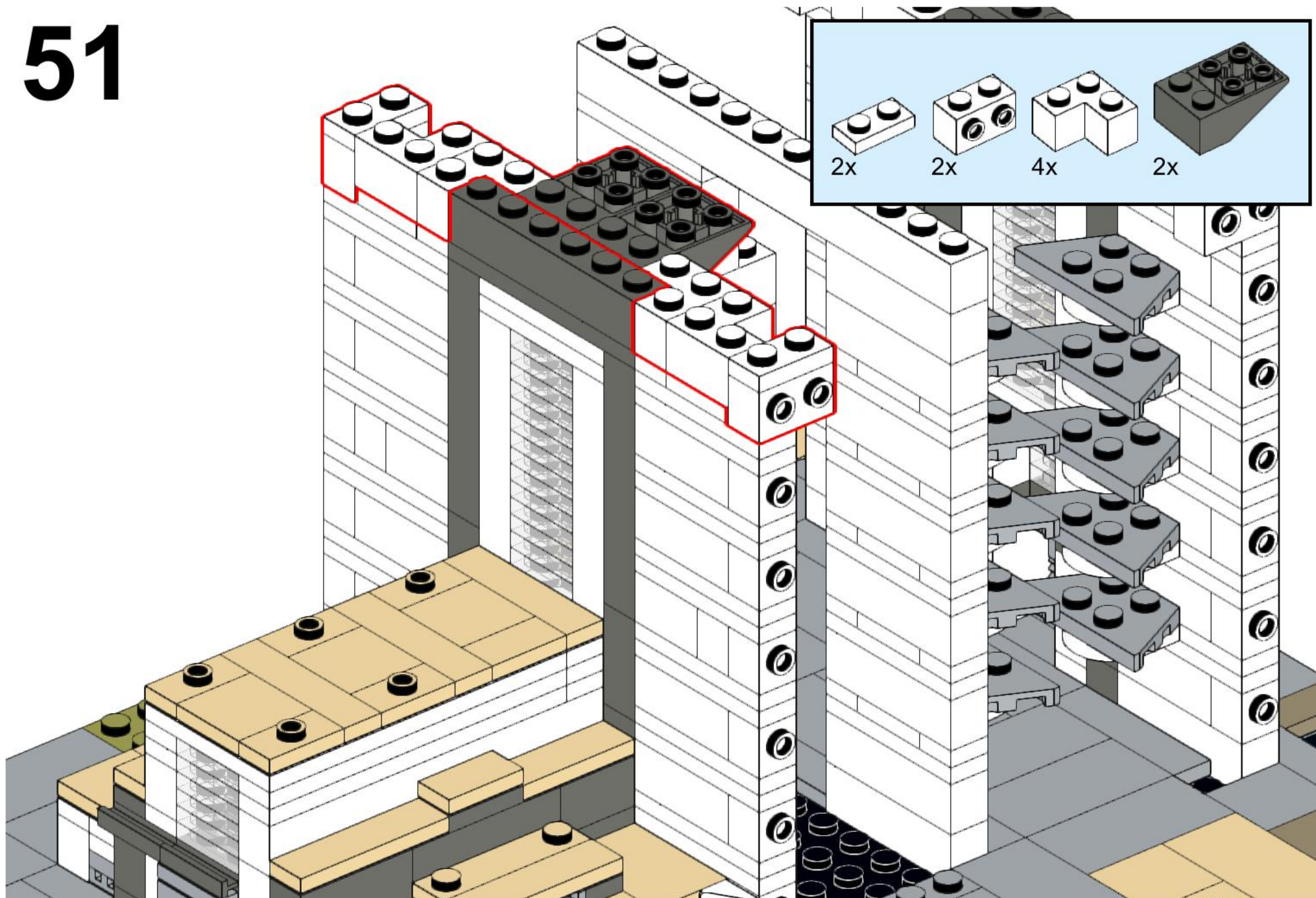
Part	Quantity
1x 1x1 White Brick	1x
3x 1x1 White Brick	3x
6x 1x3 White Brick	6x
1x 1x4 White Brick	1x
3x 1x2 White Brick	3x
2x 1x2 White Brick	2x



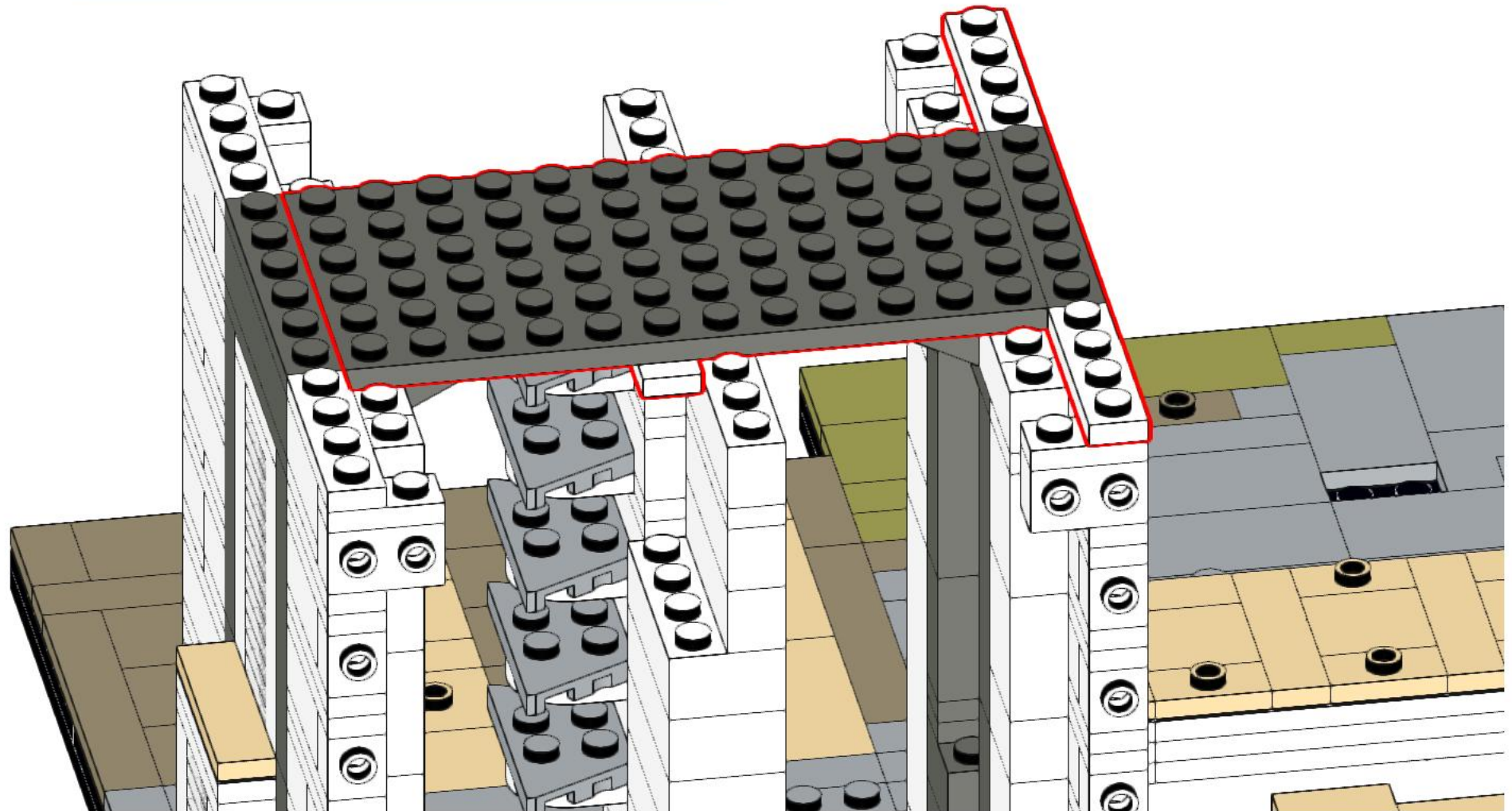
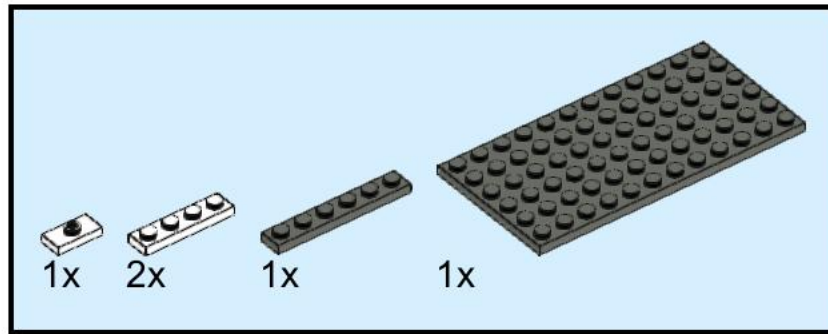
50



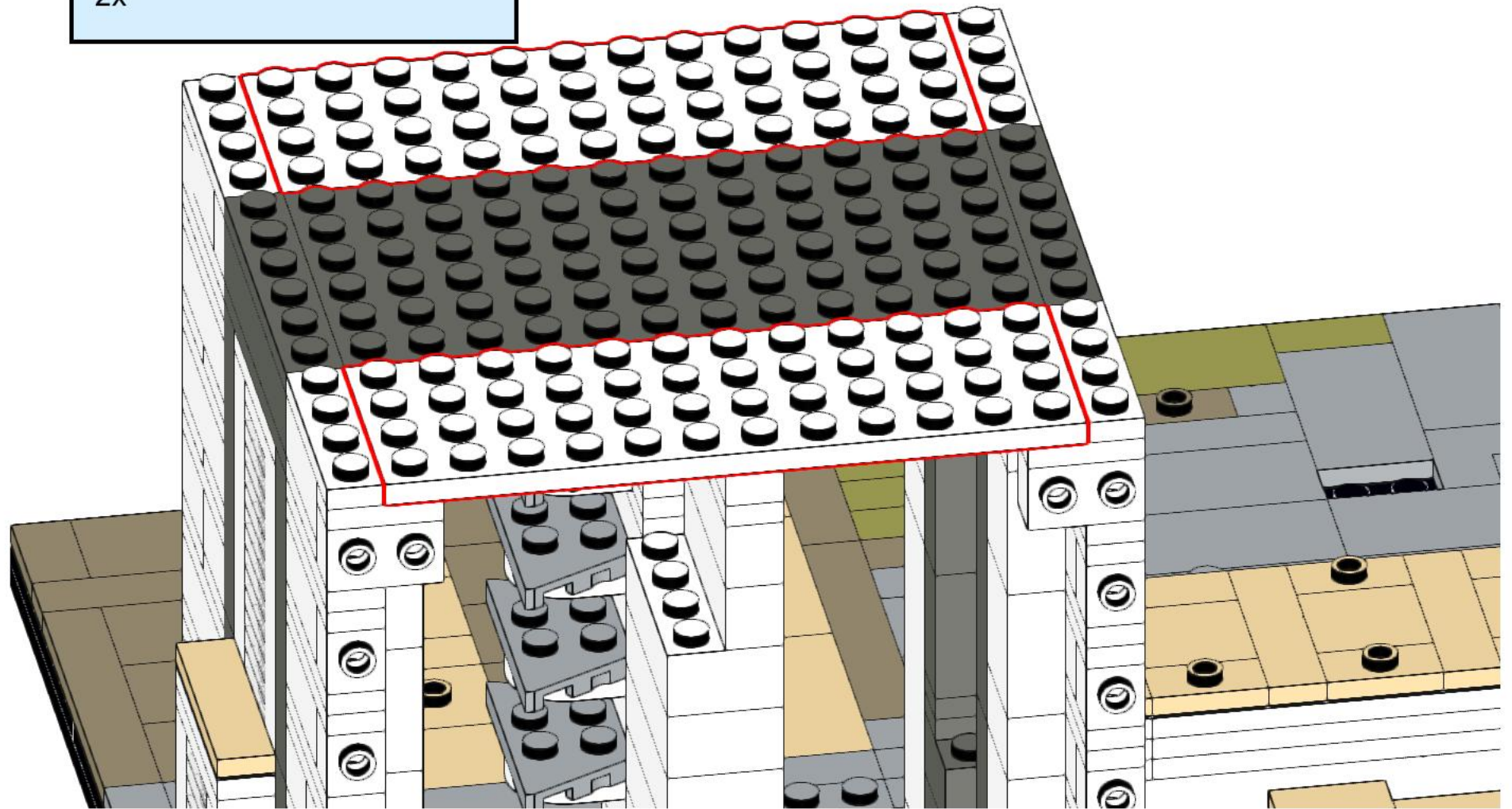
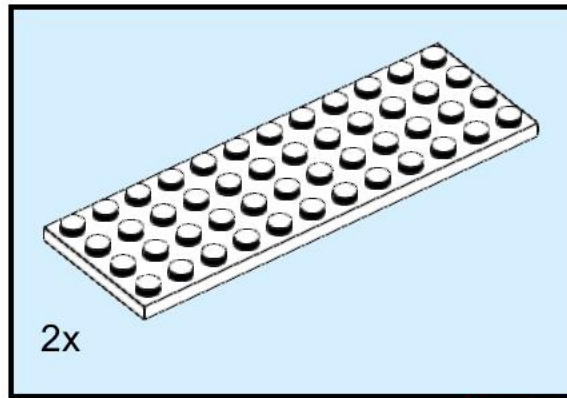
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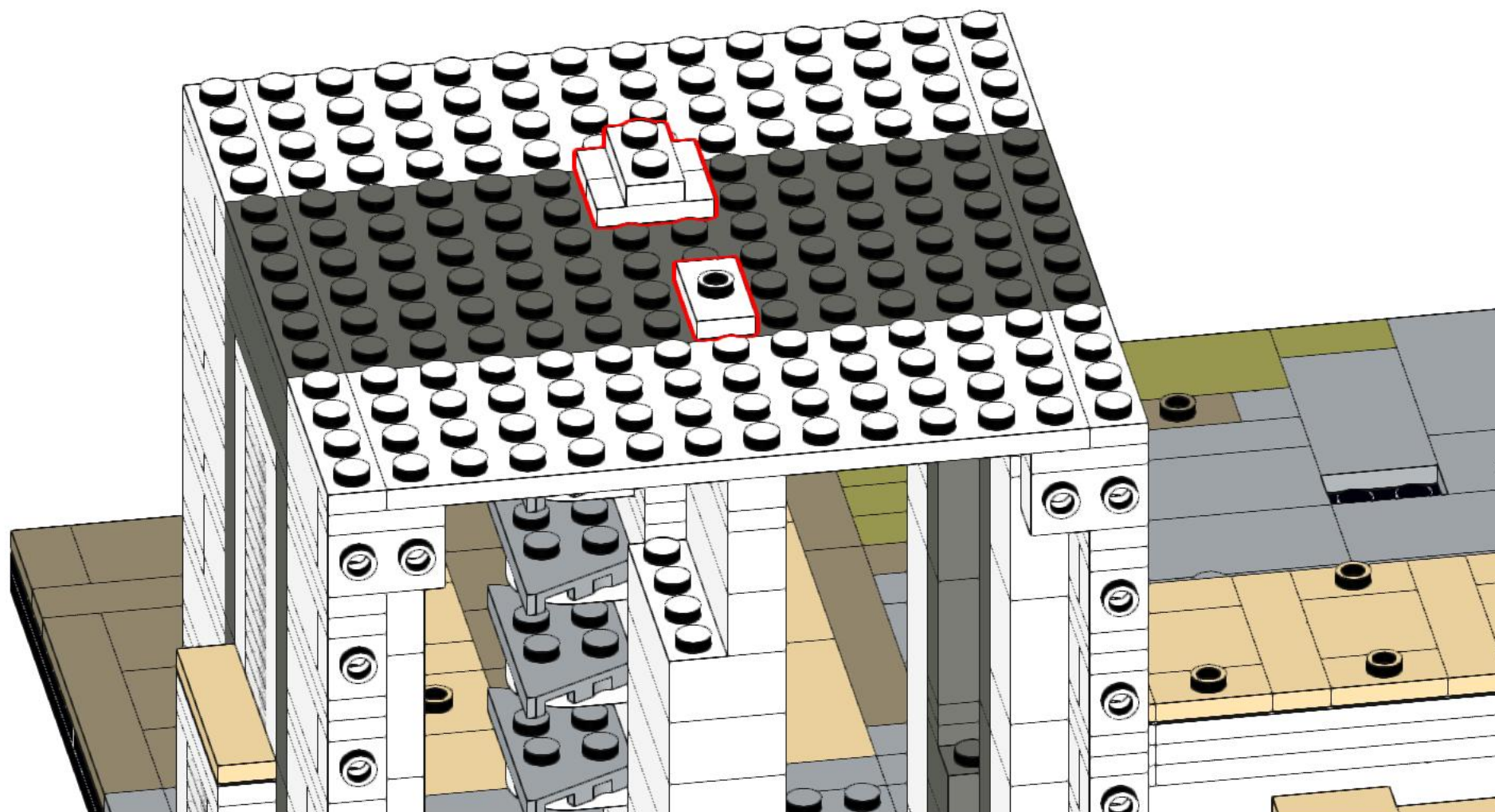
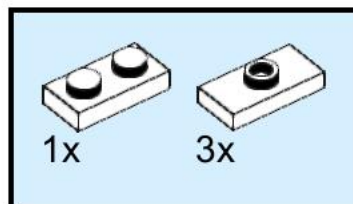
52



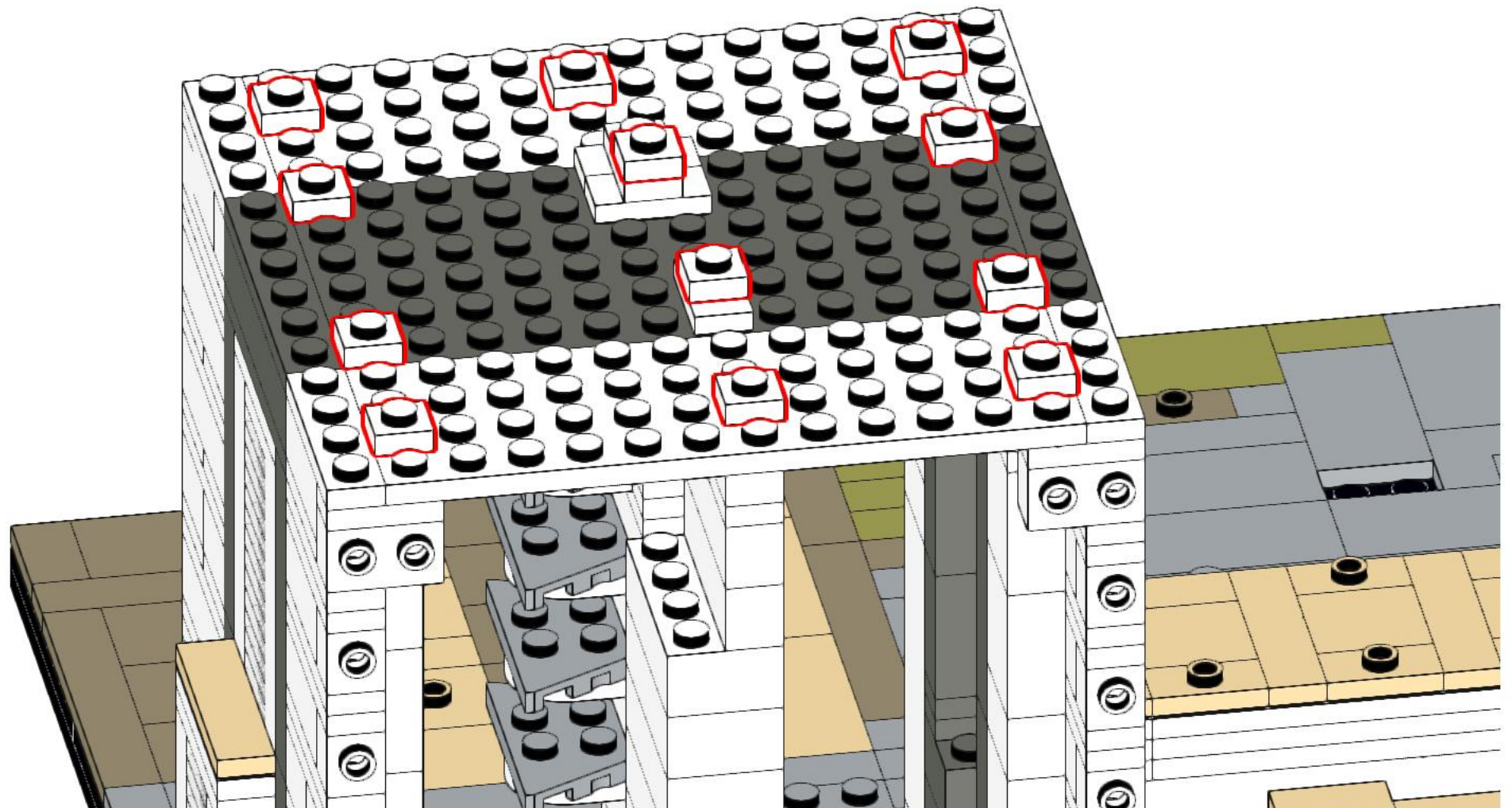
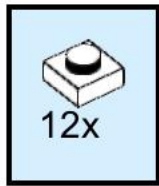
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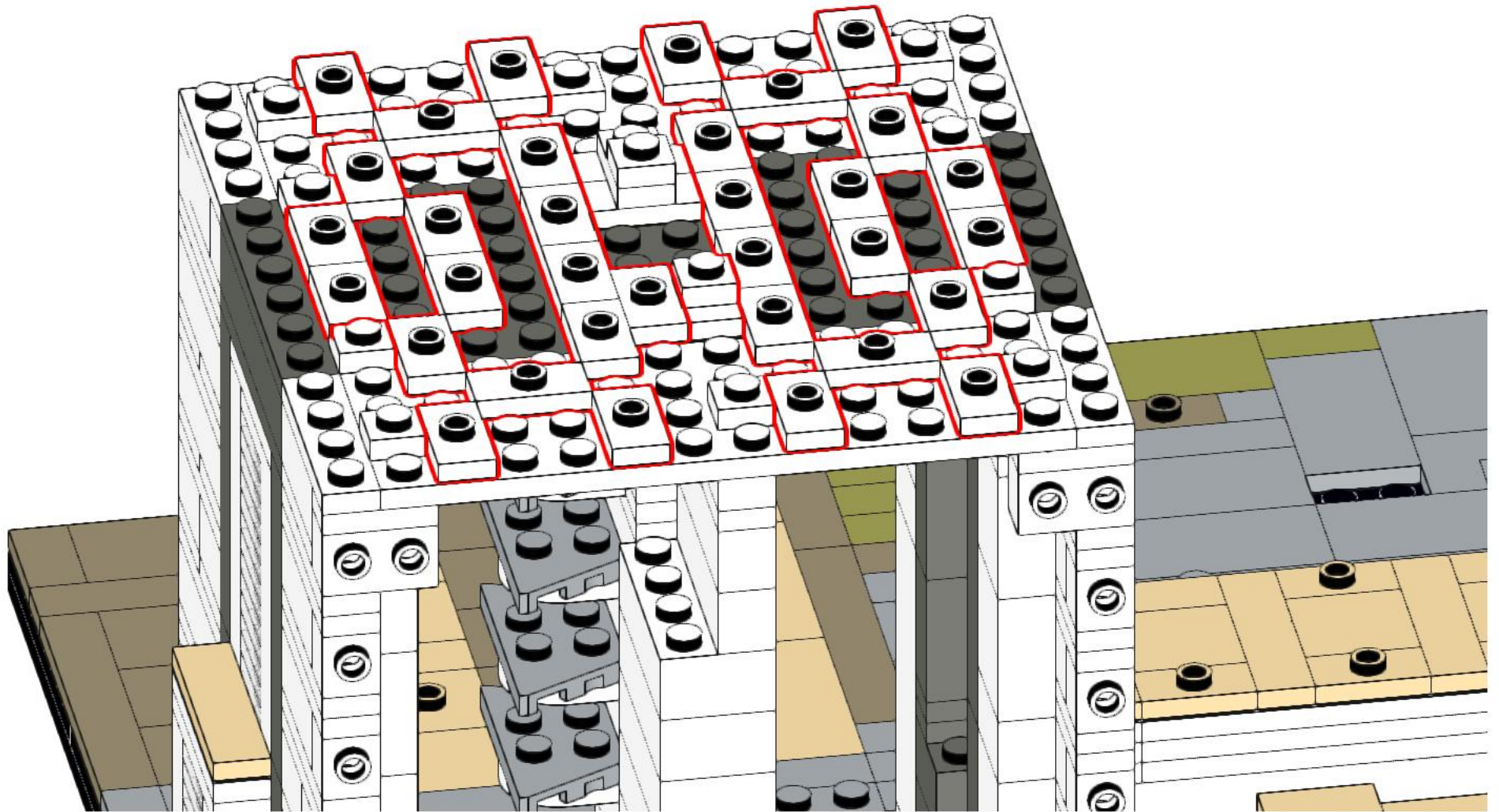
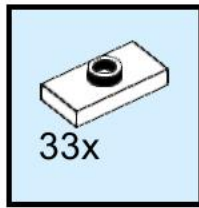
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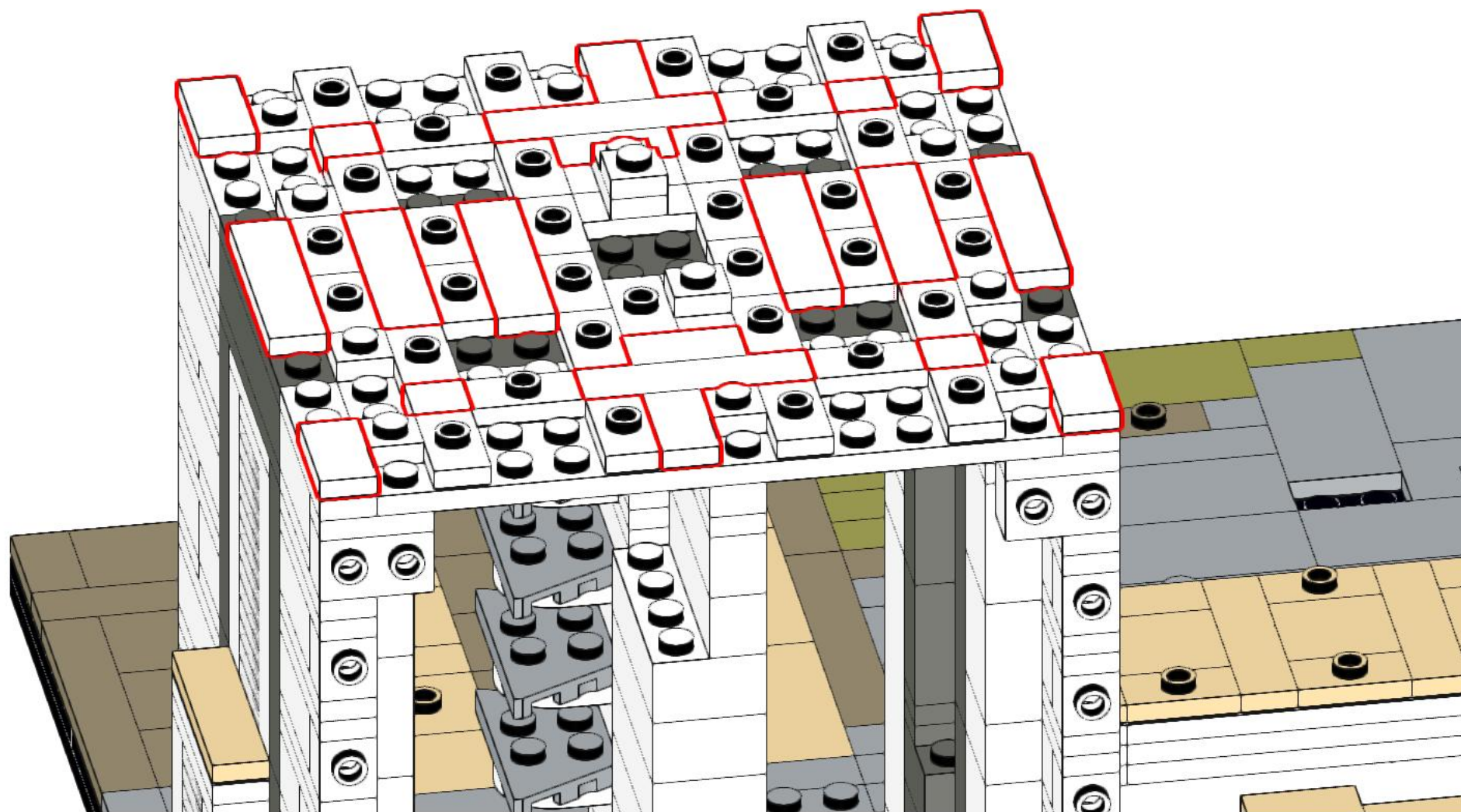
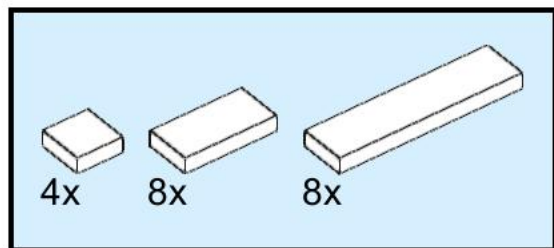
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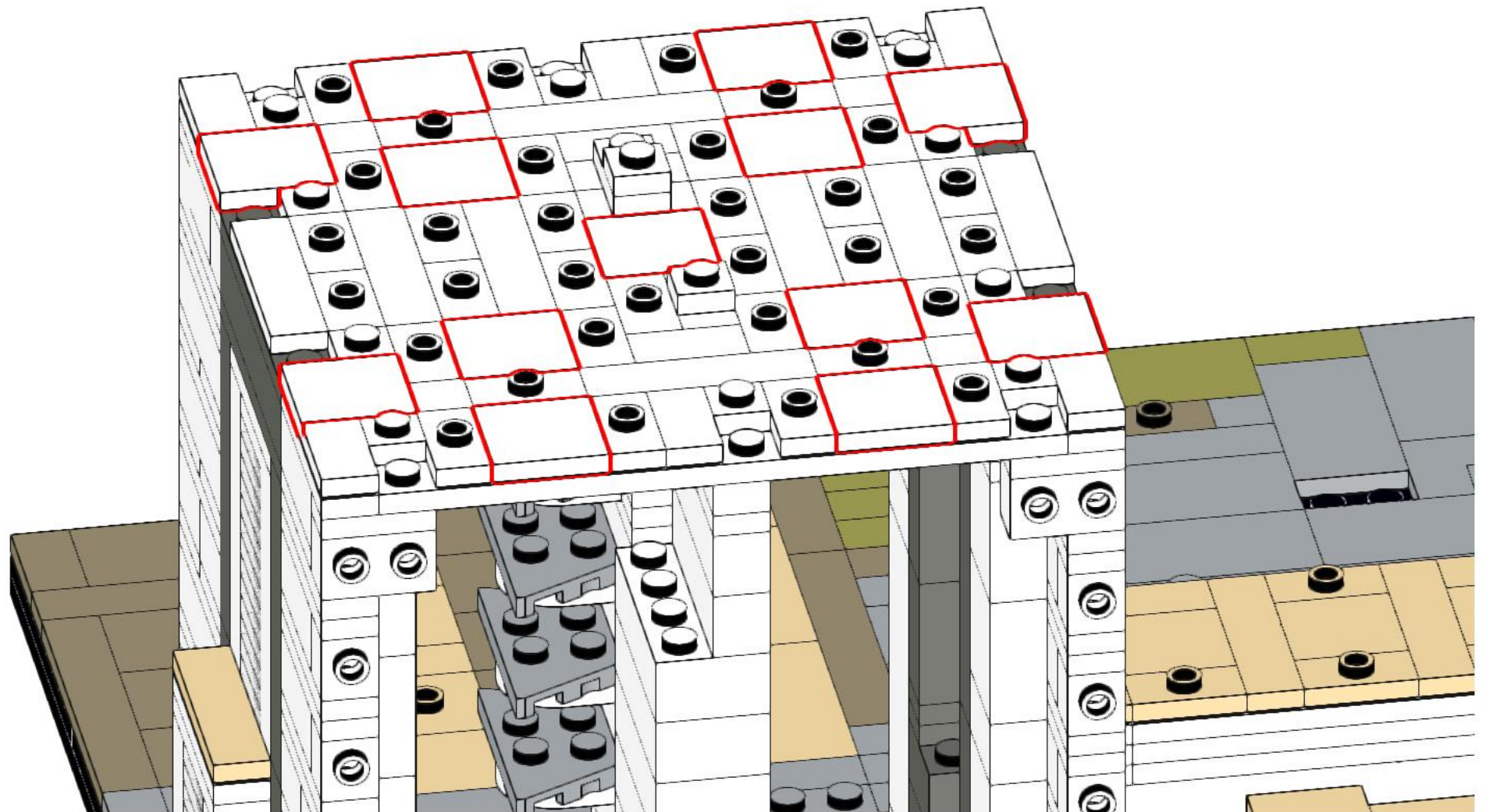
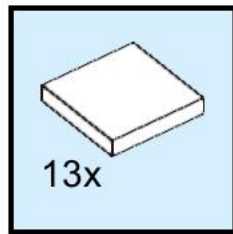
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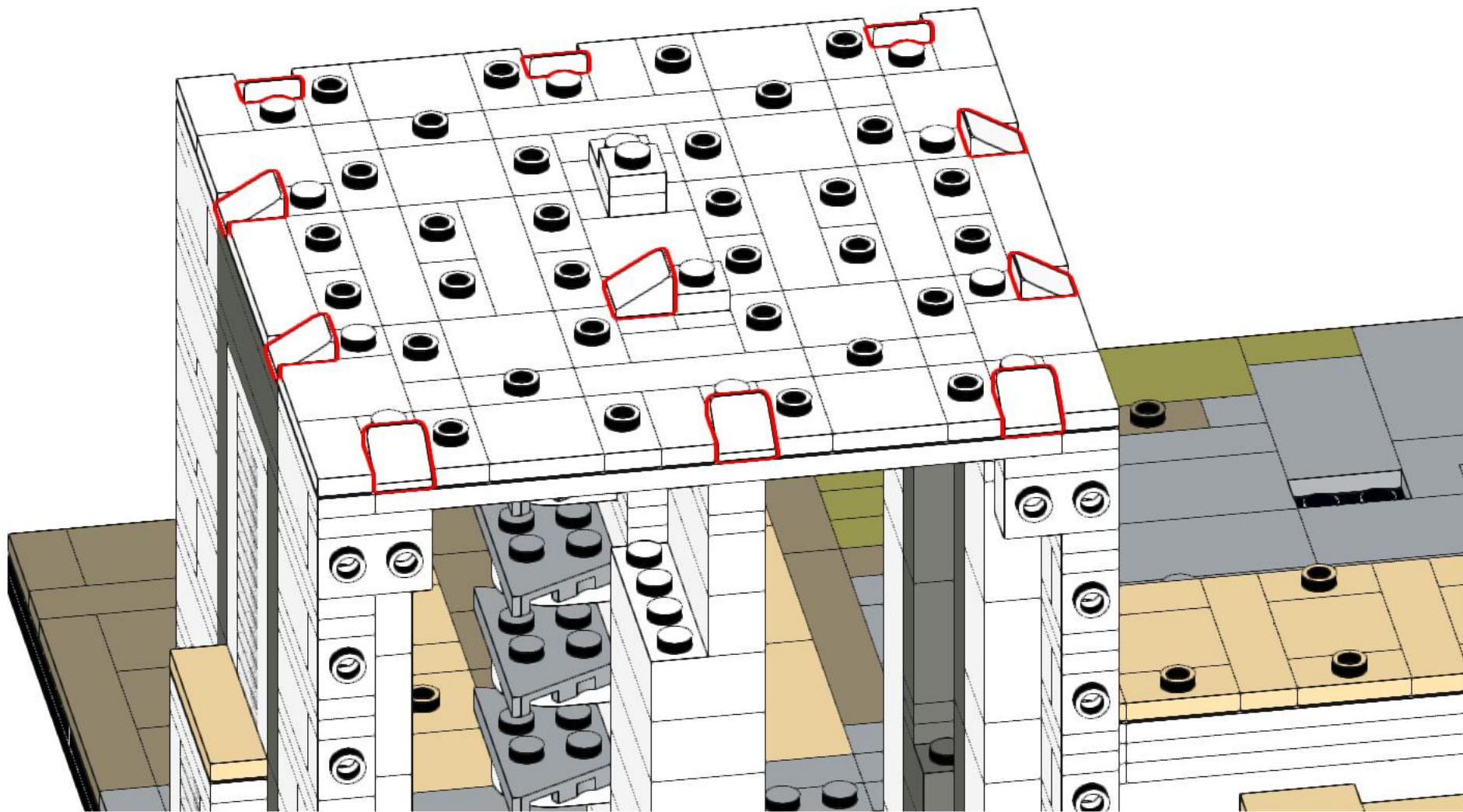
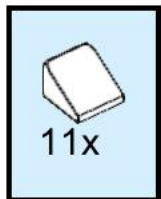
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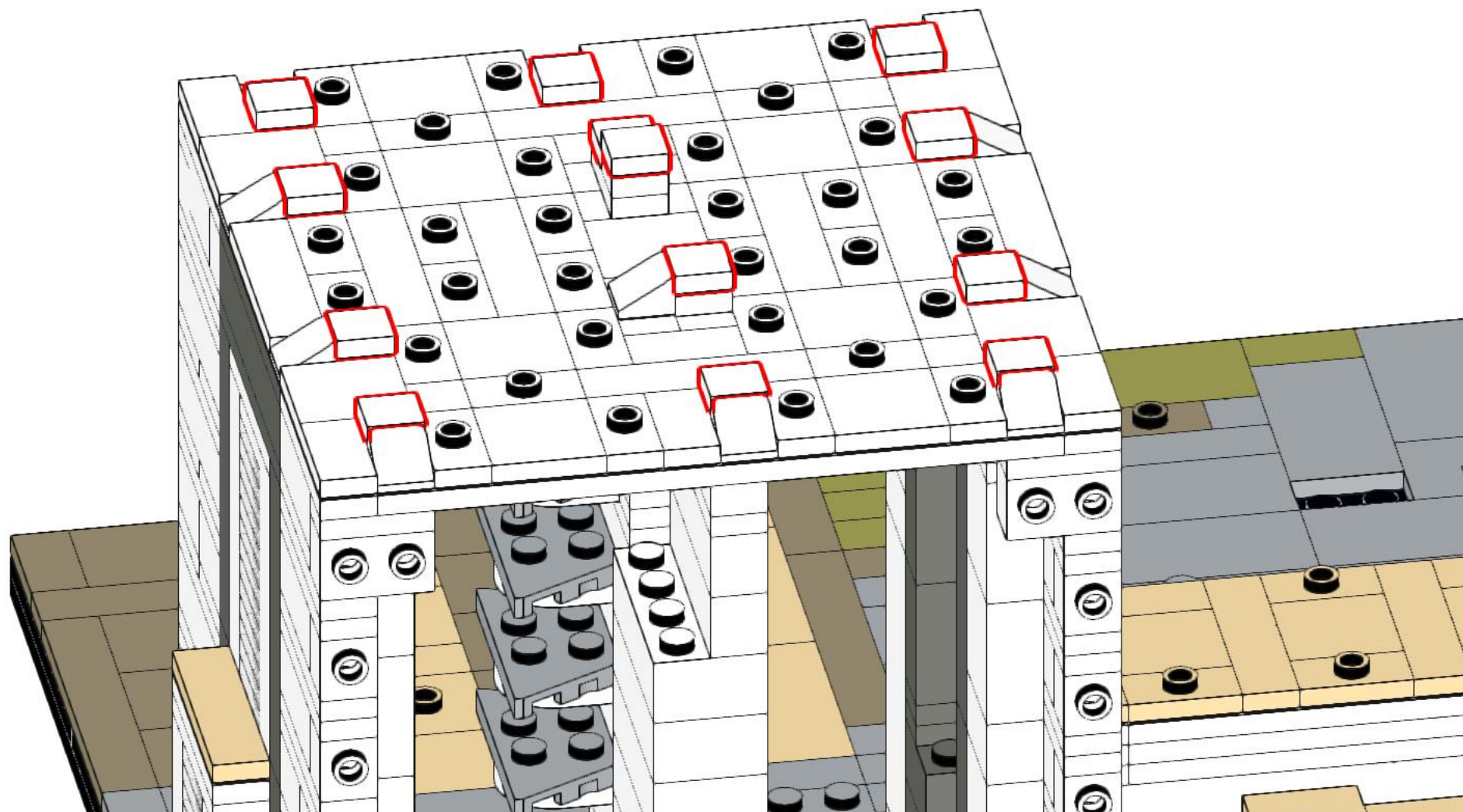
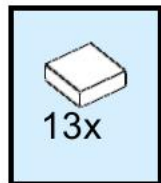
58



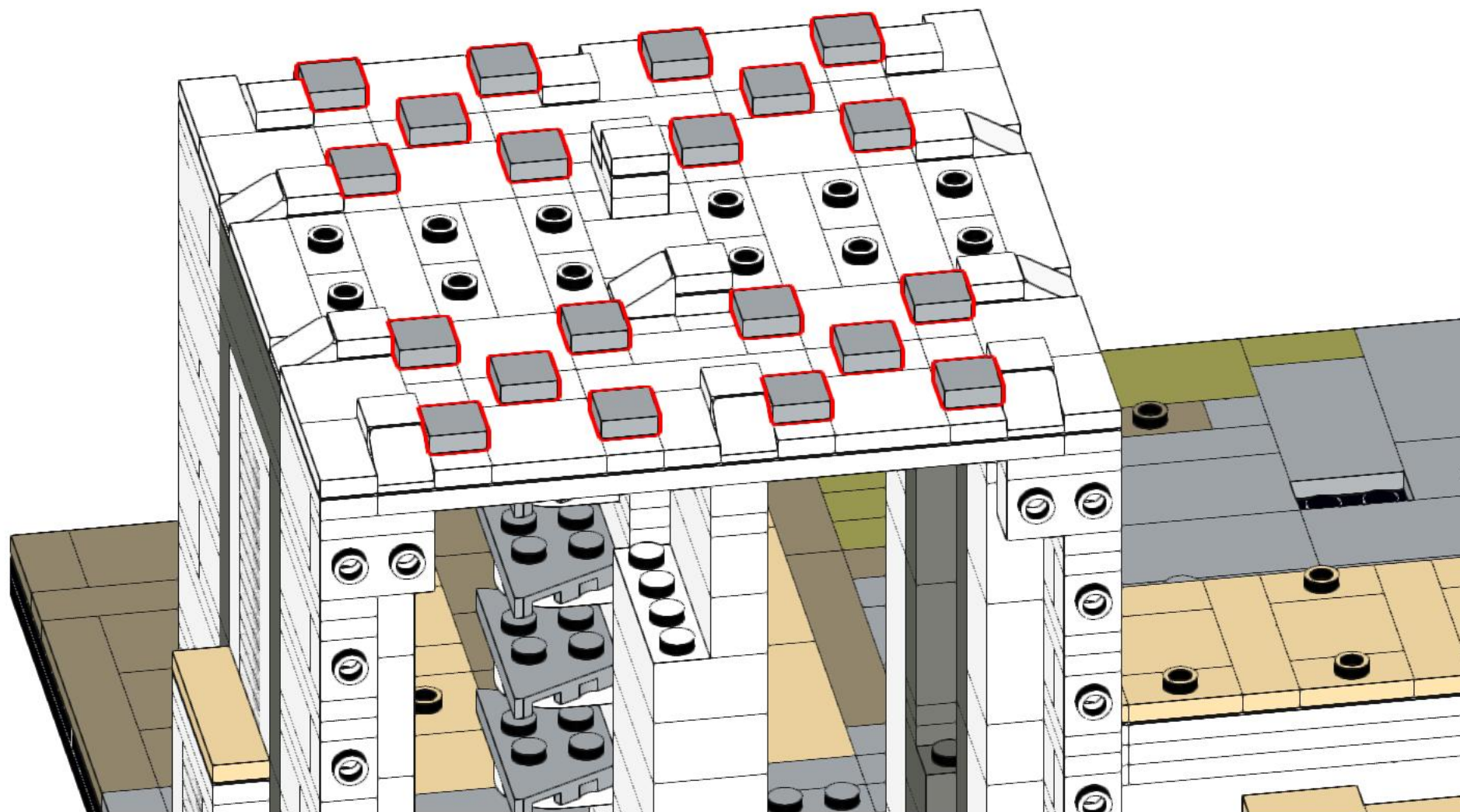
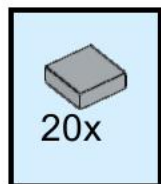
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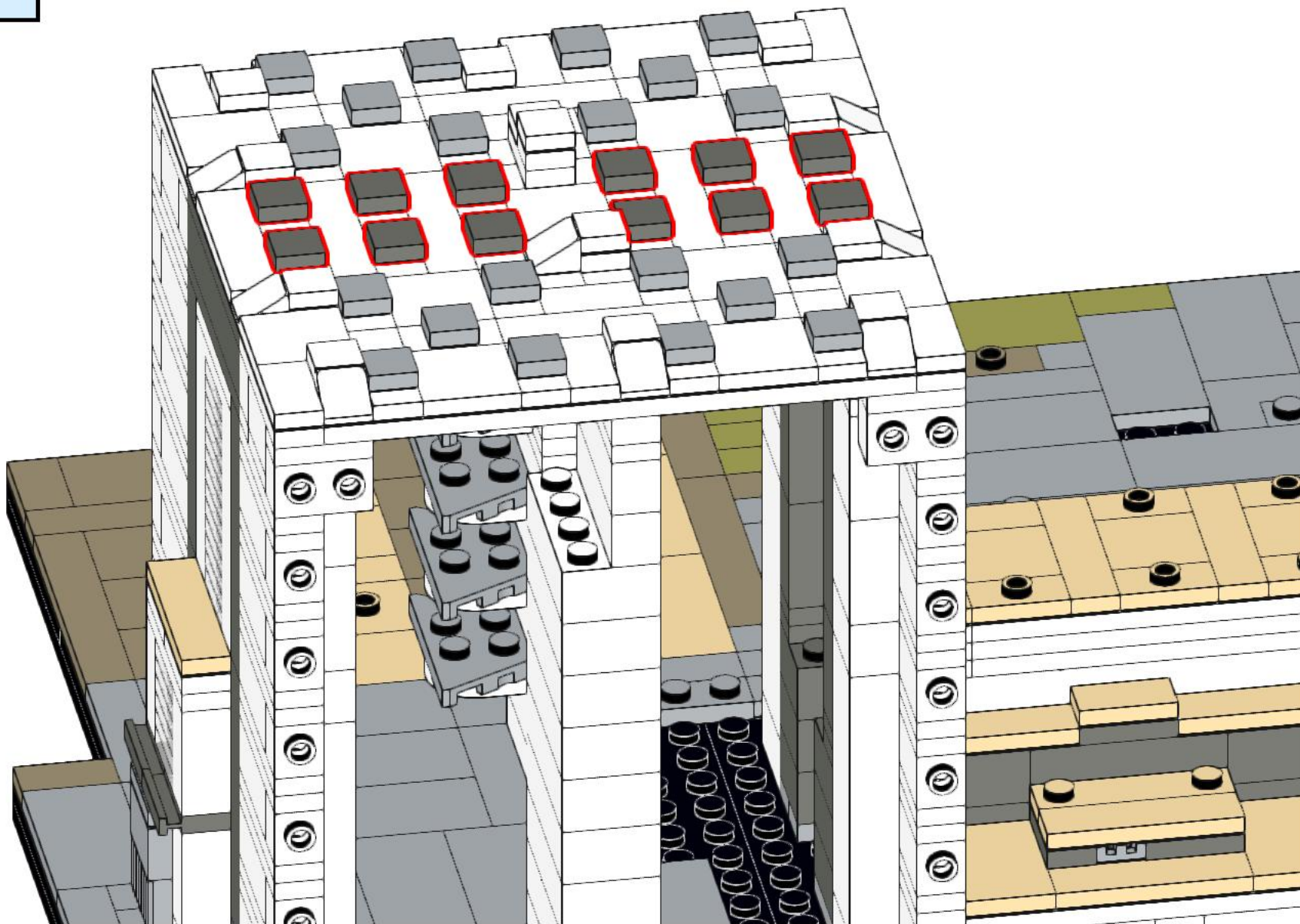
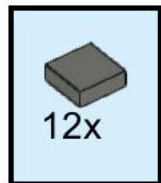
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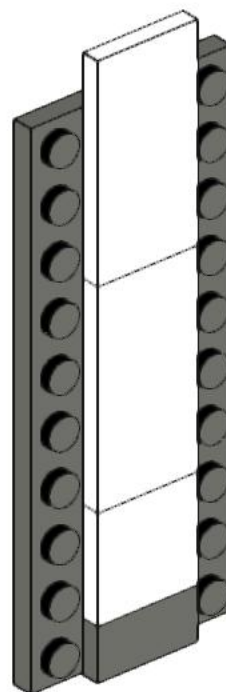
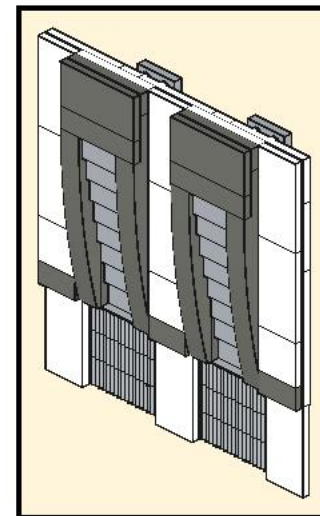
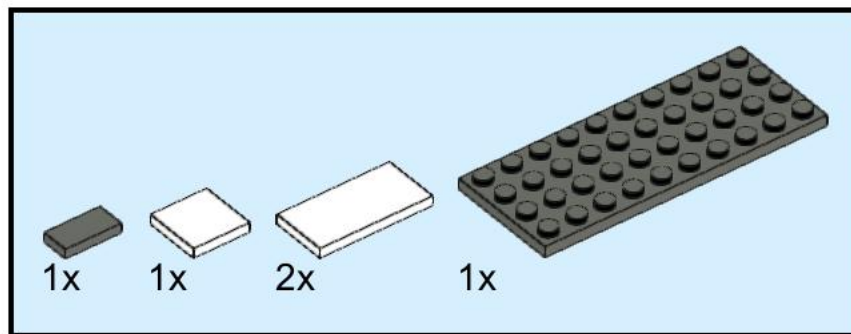
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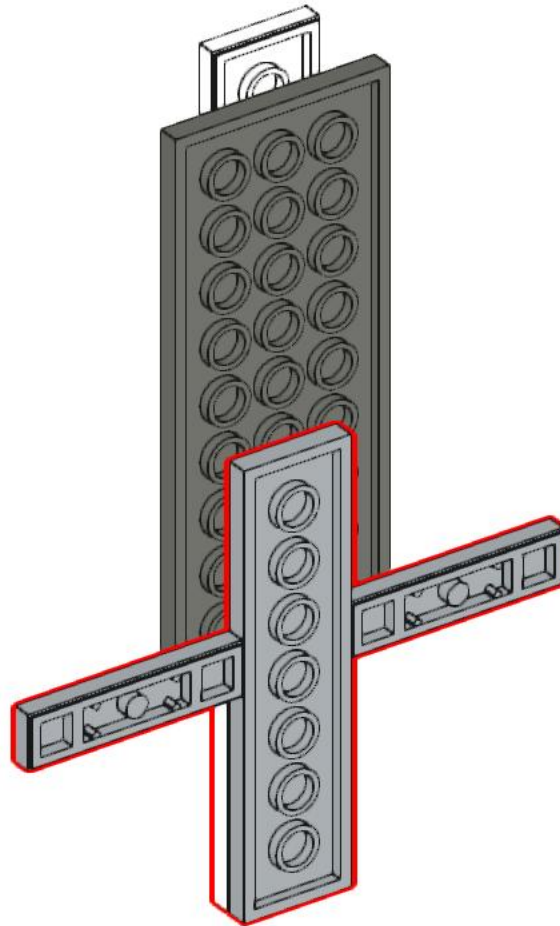
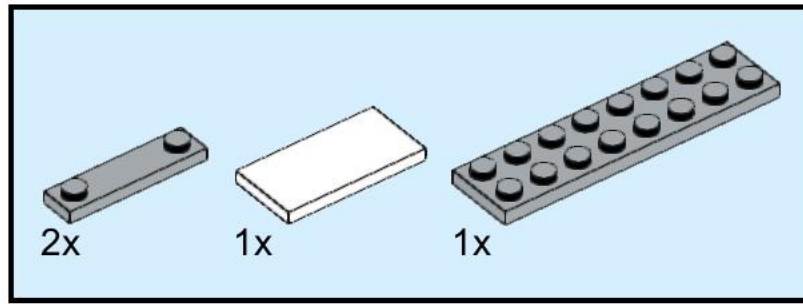
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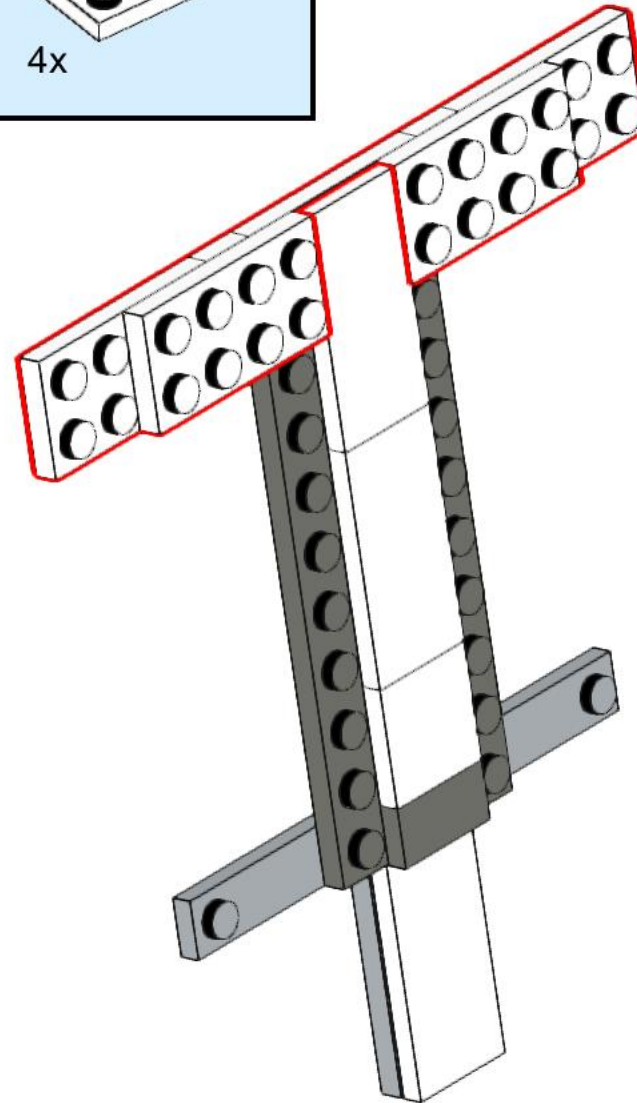
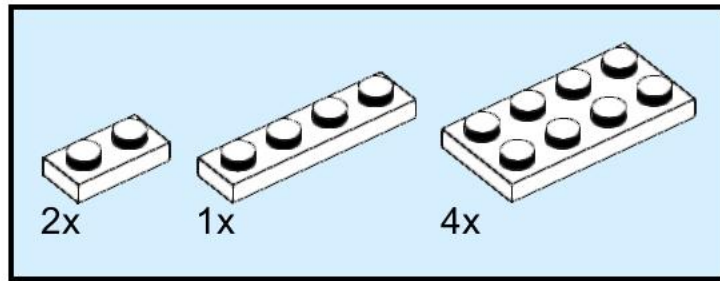
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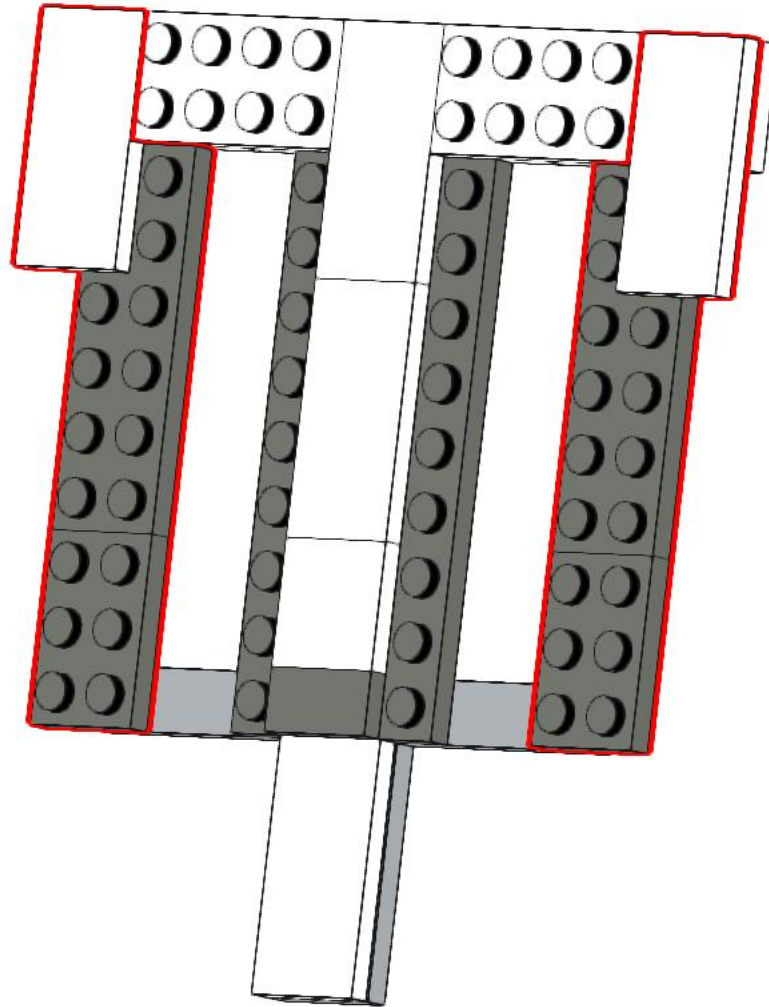
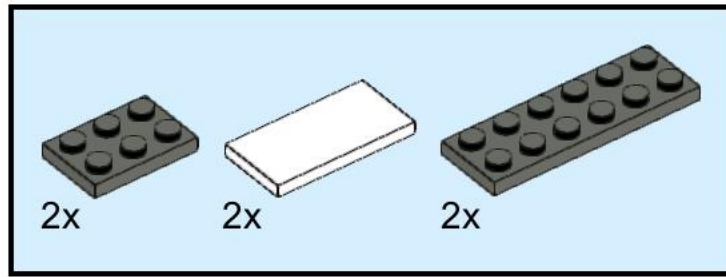
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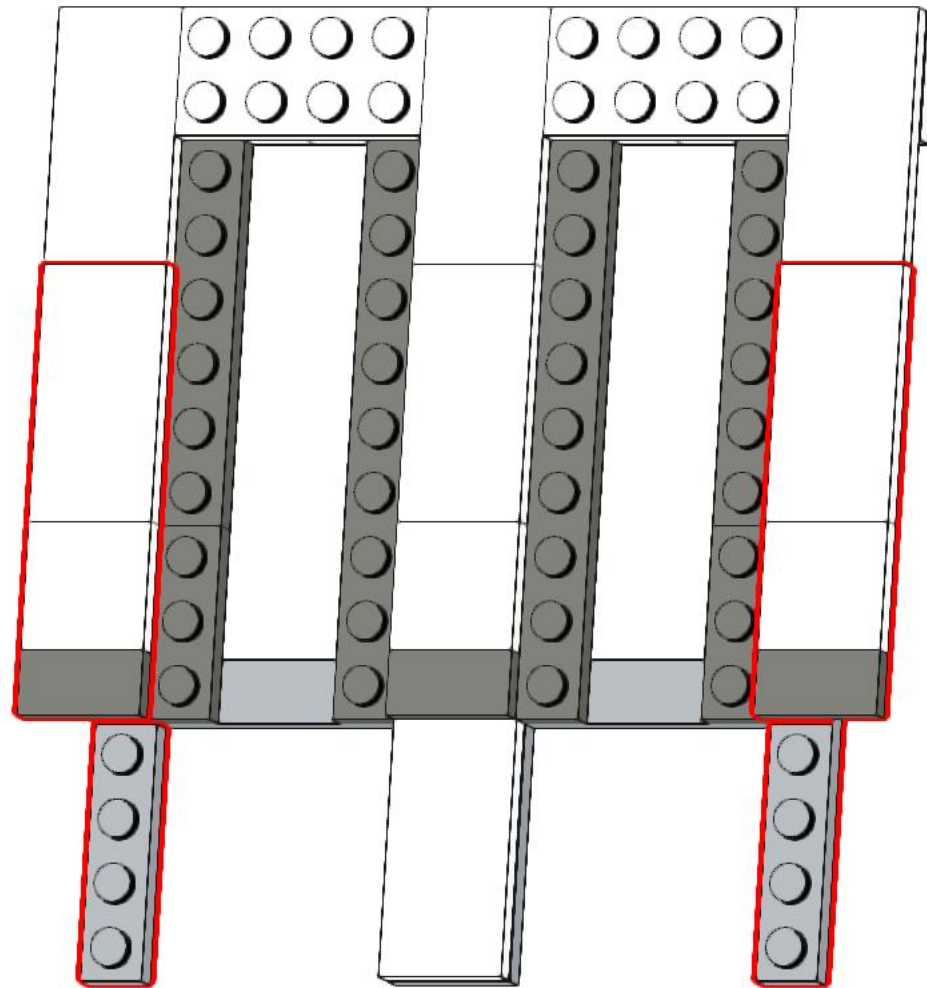
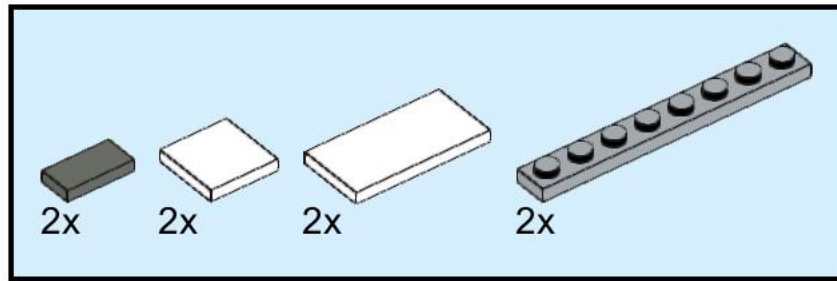
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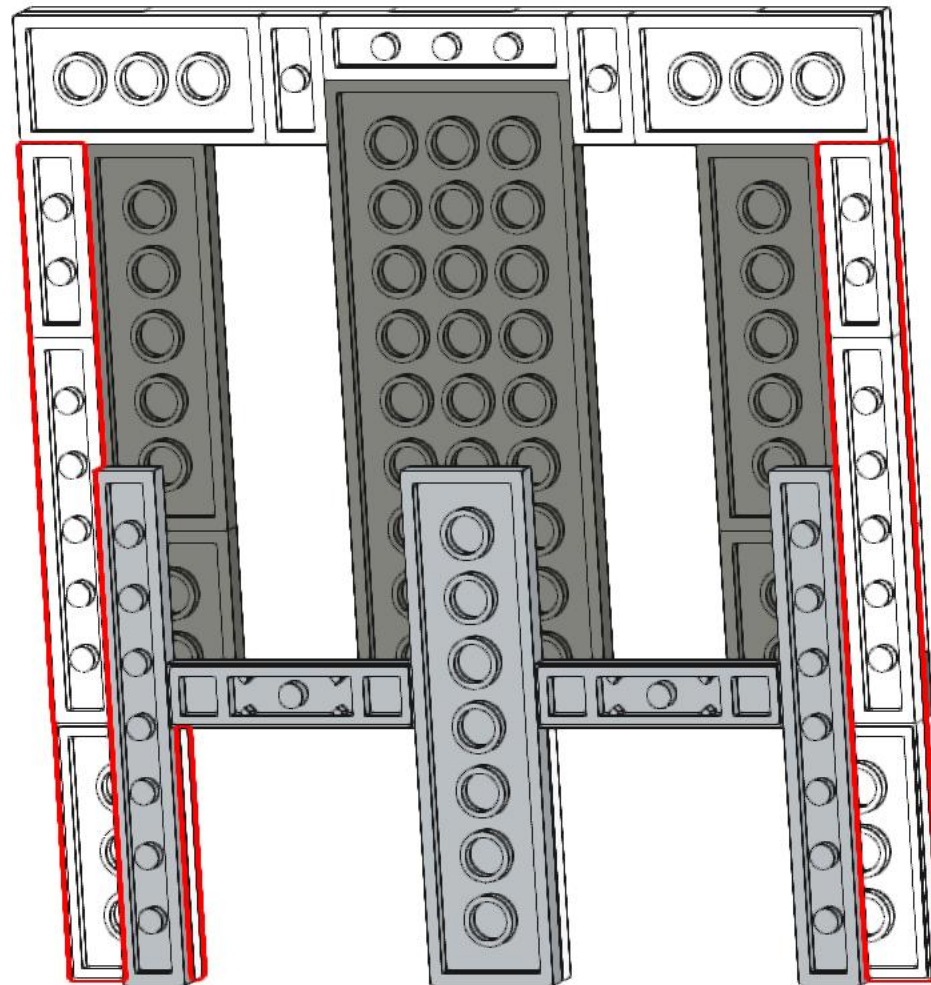
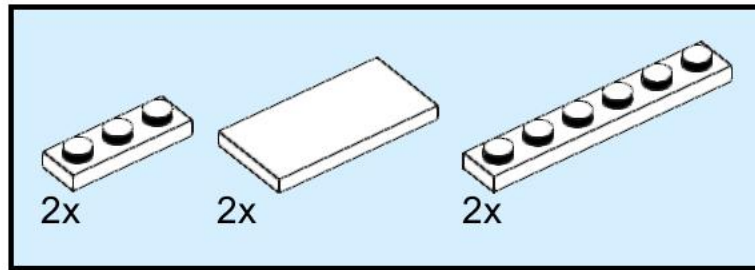
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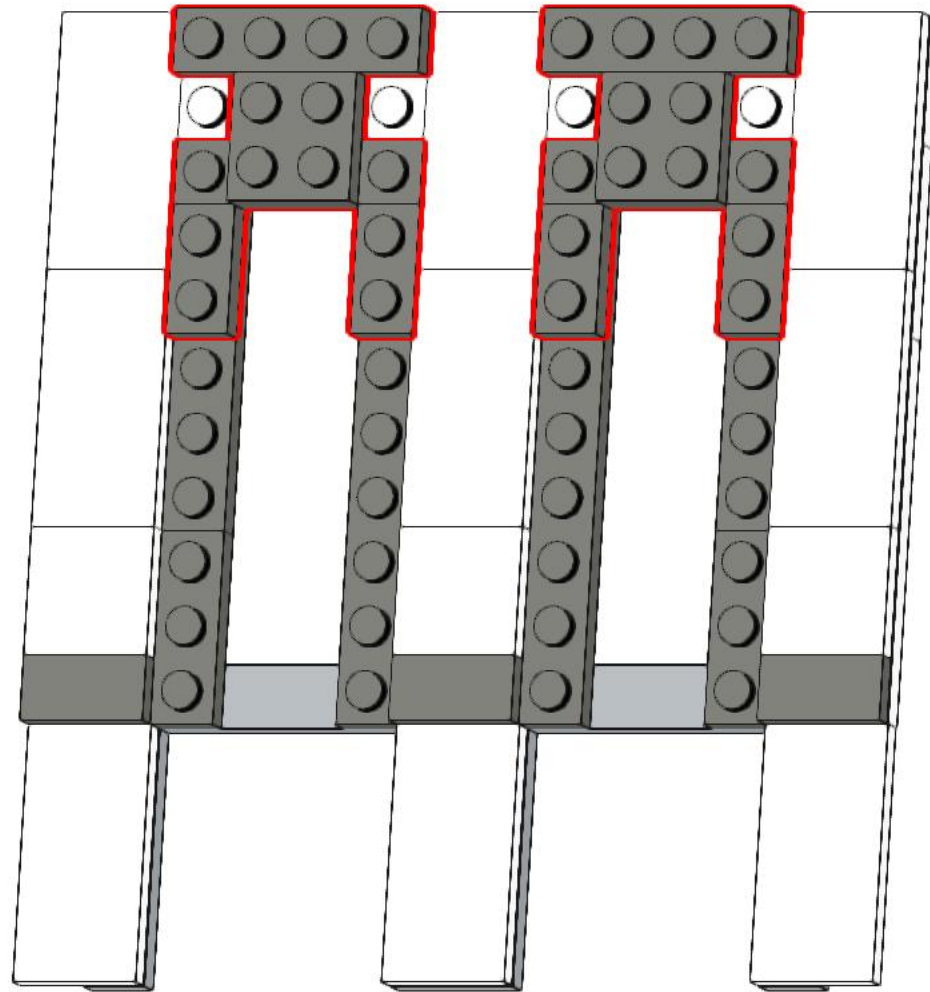
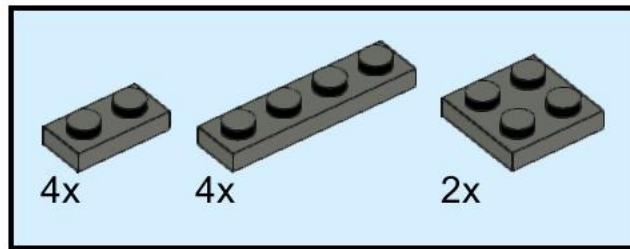
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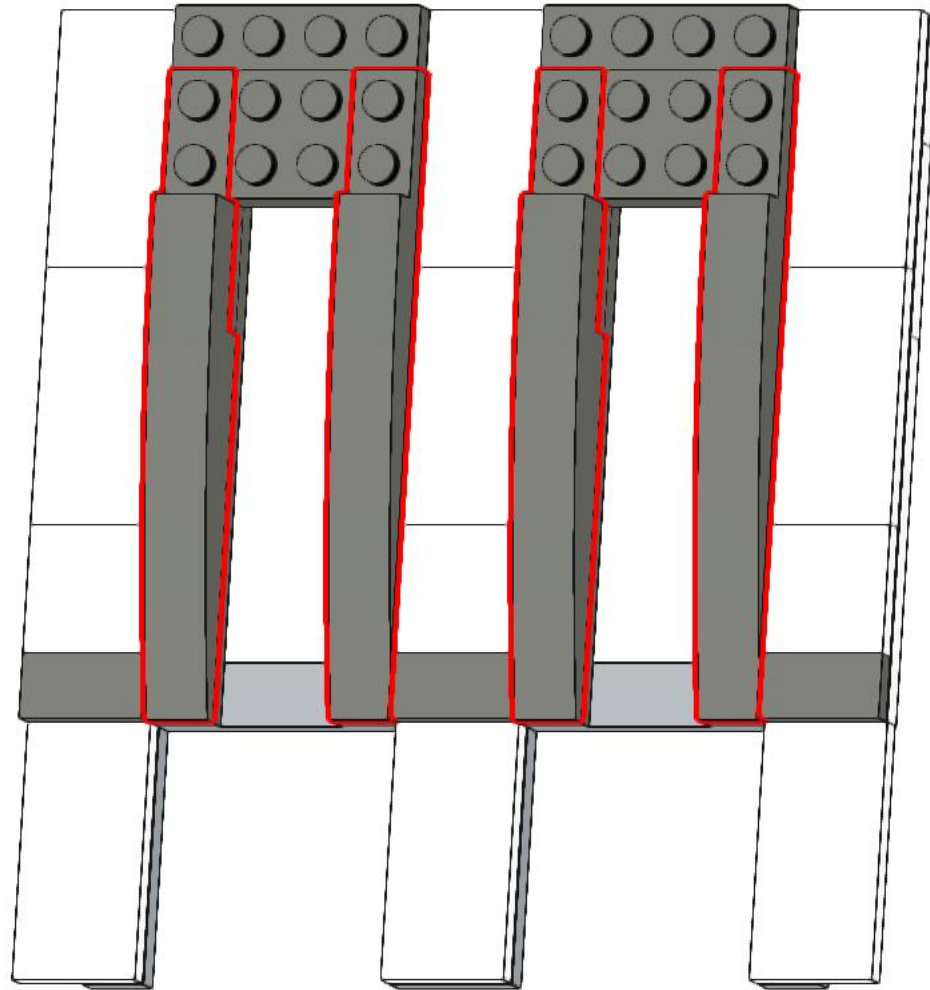
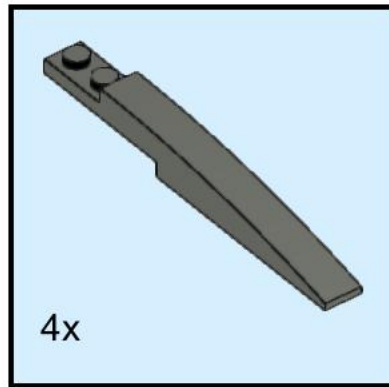
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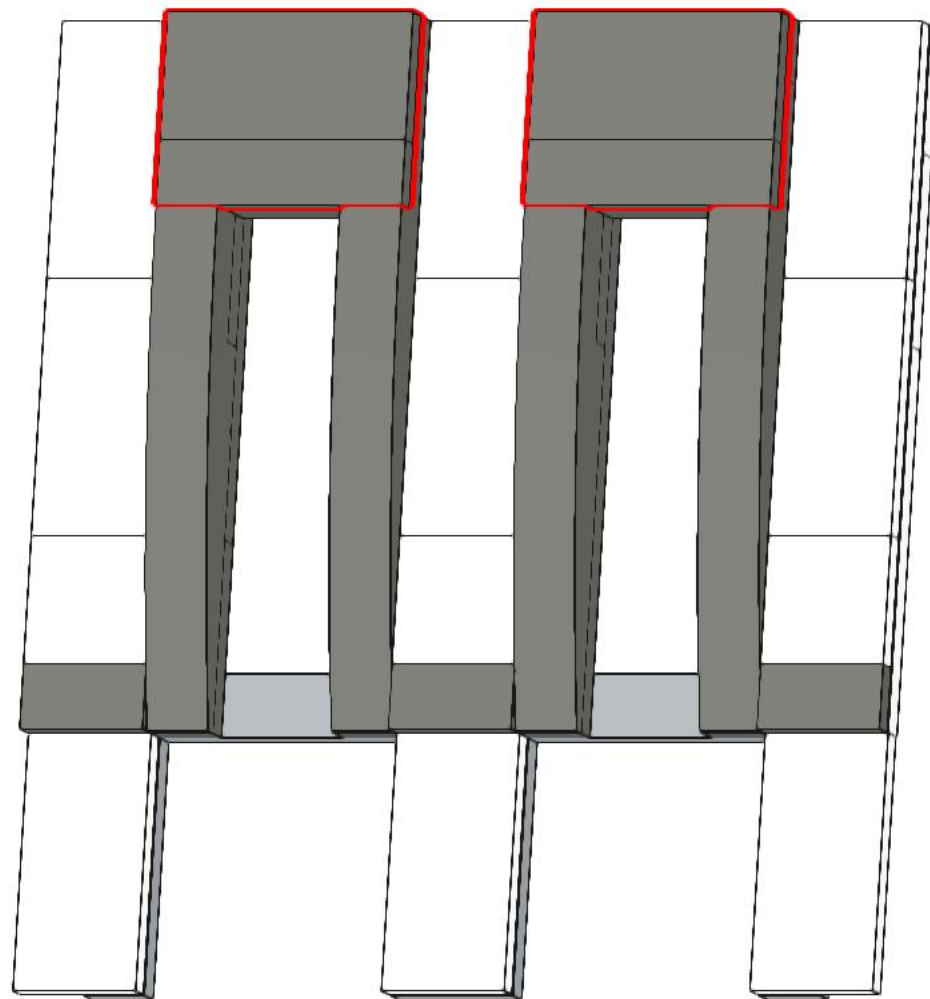
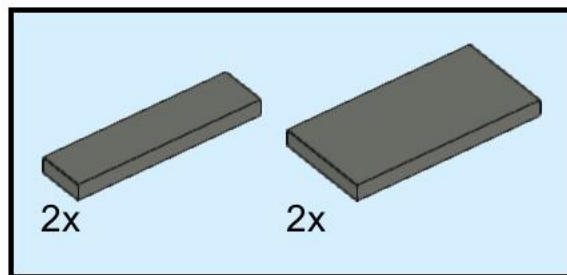
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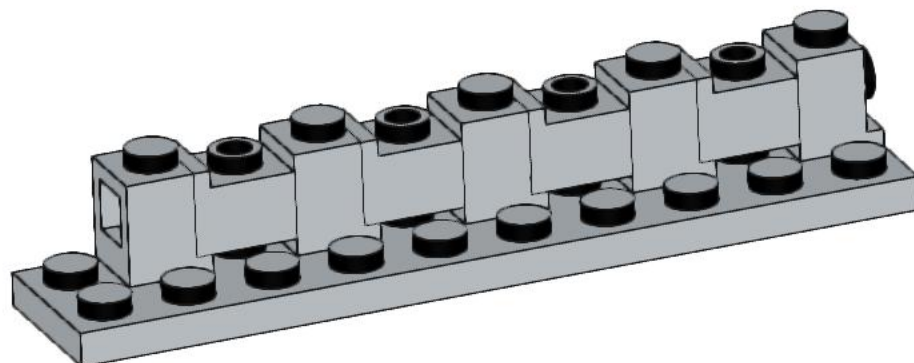
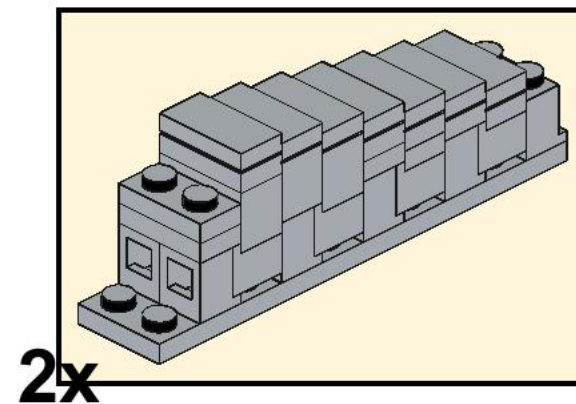
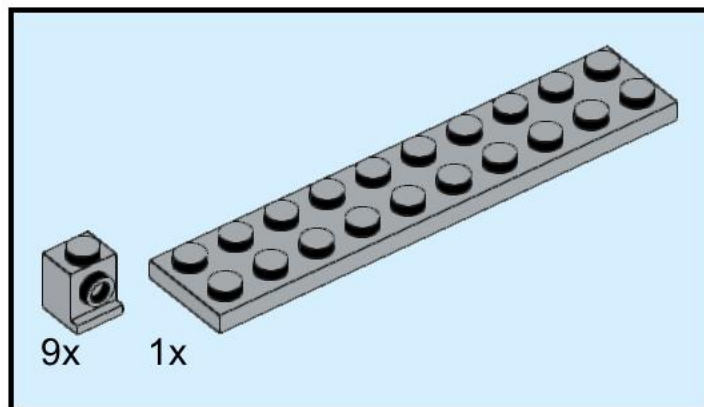
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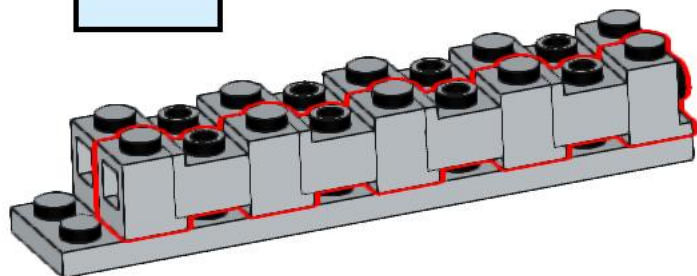
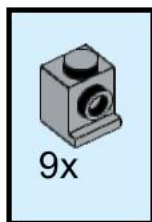
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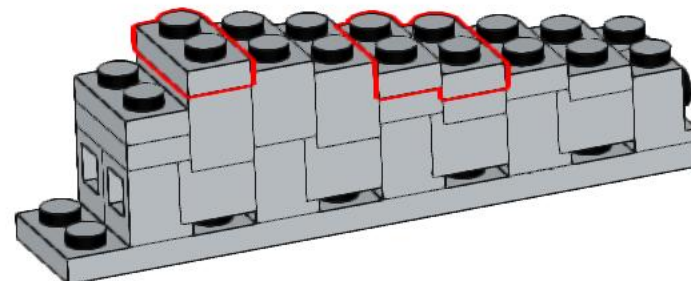
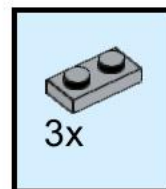
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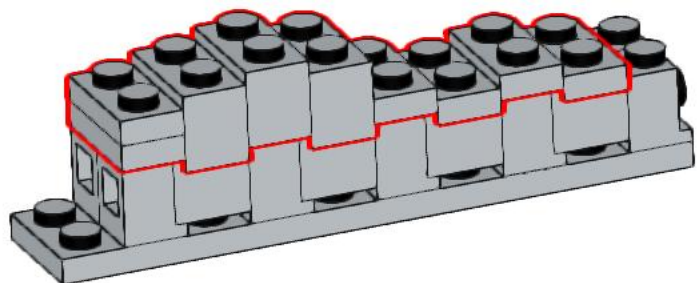
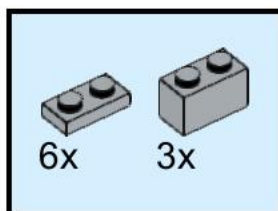
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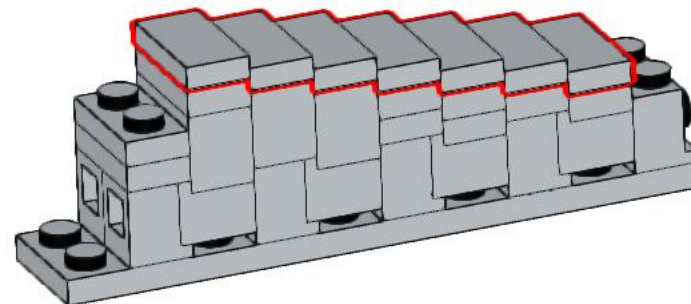
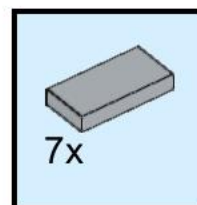
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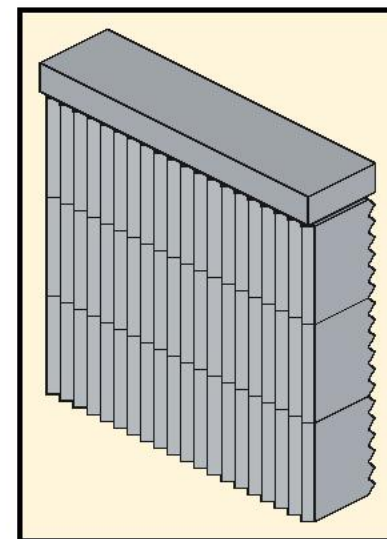
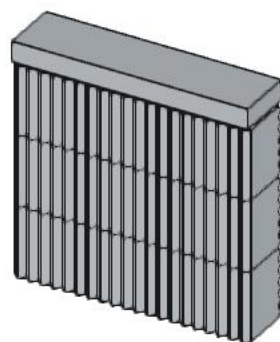
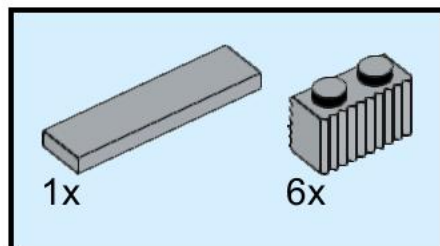
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76

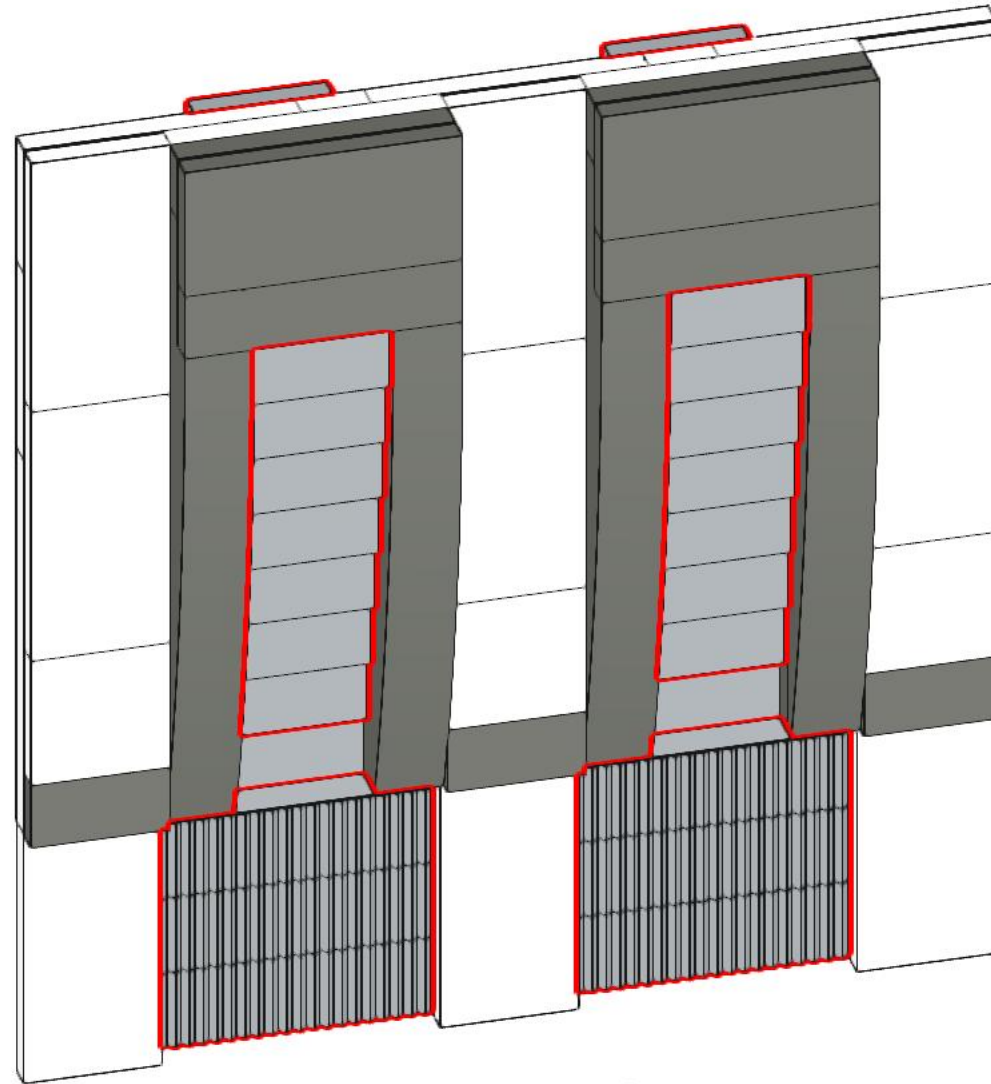


77



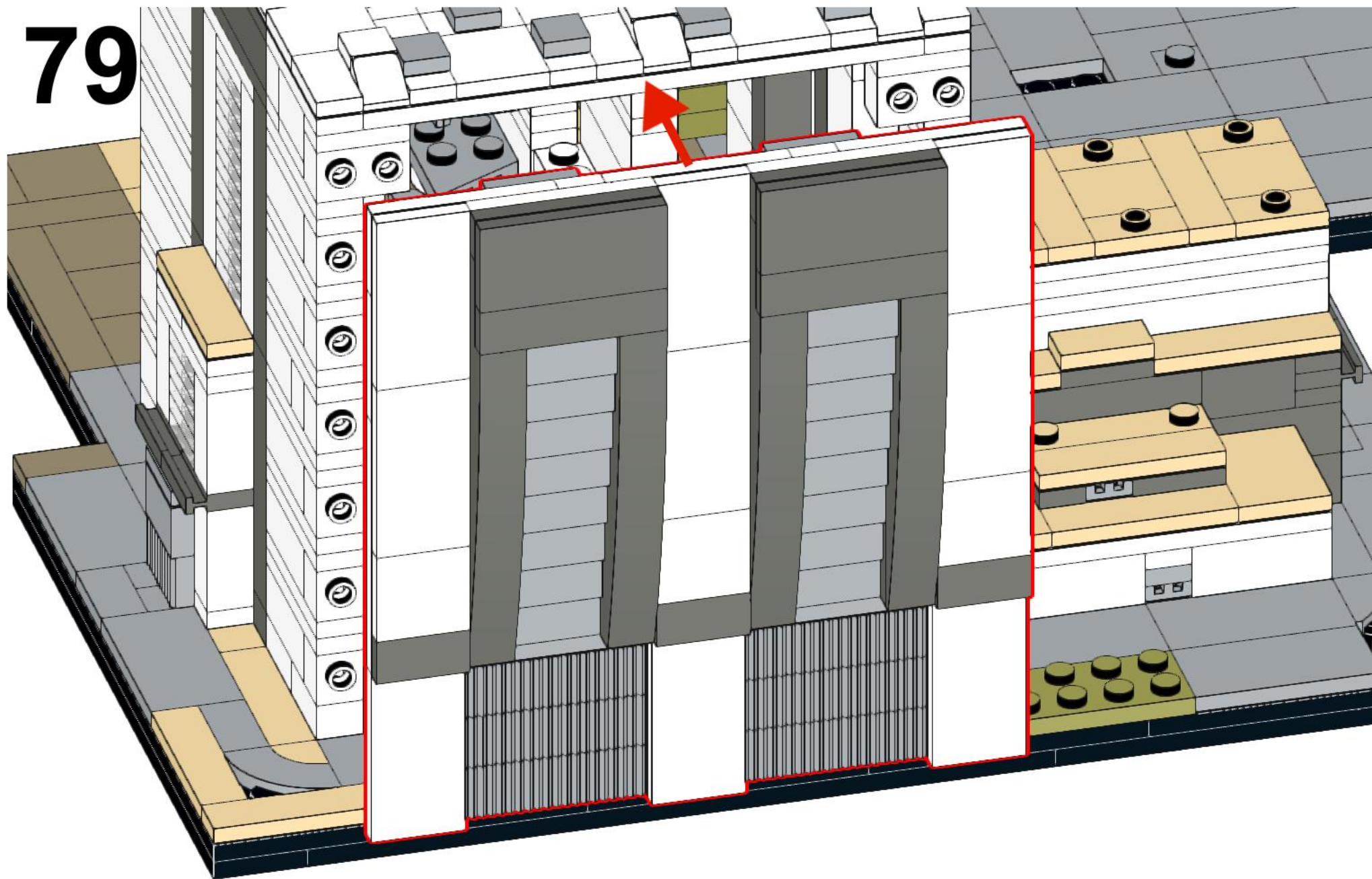
2x

78

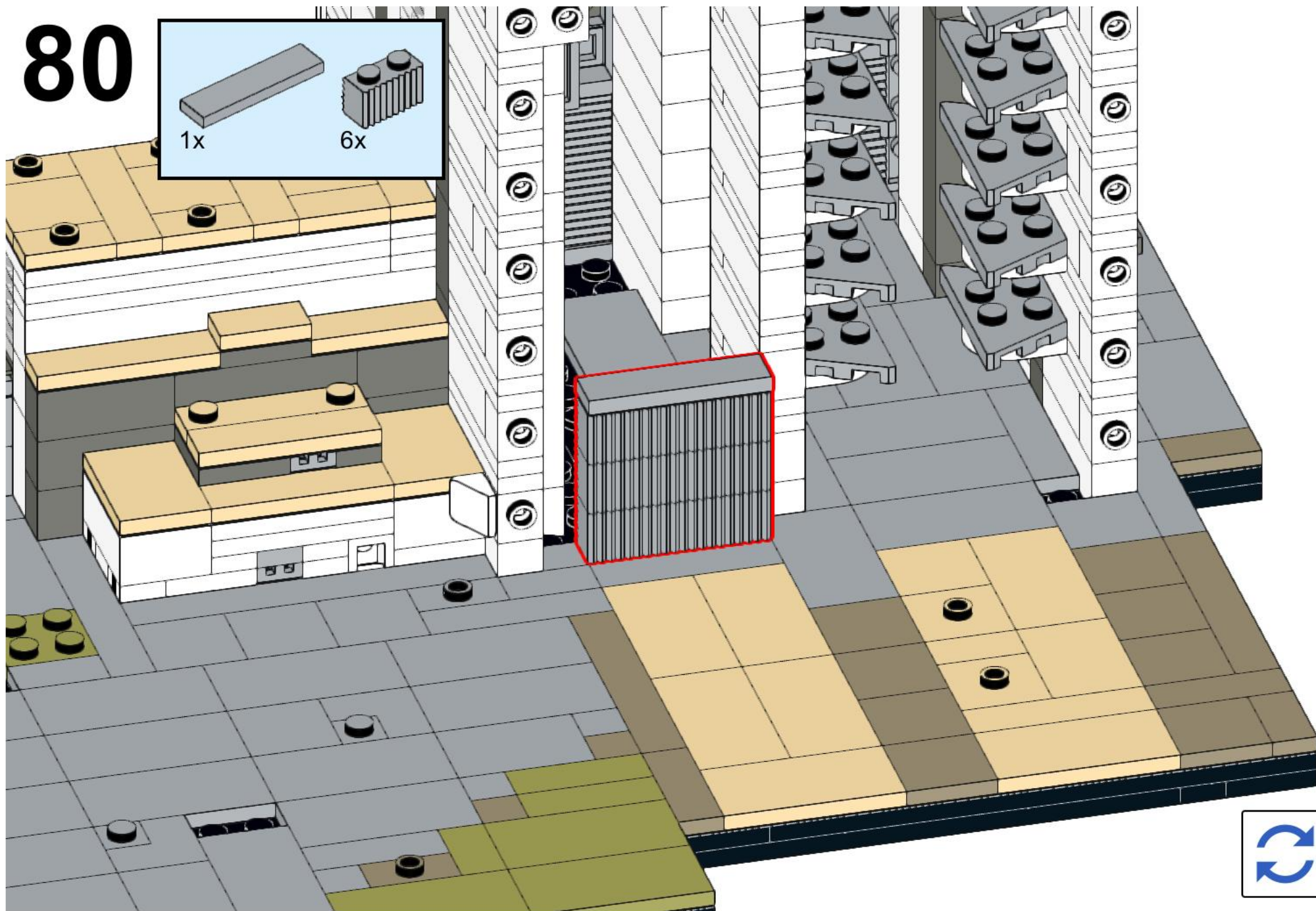
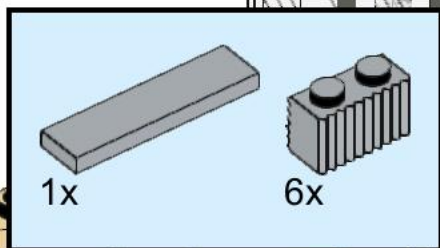


MOD-02 VAB HB West
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

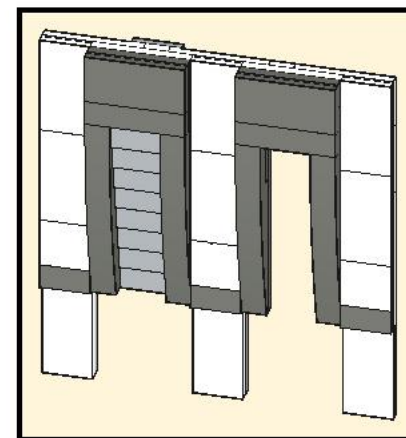
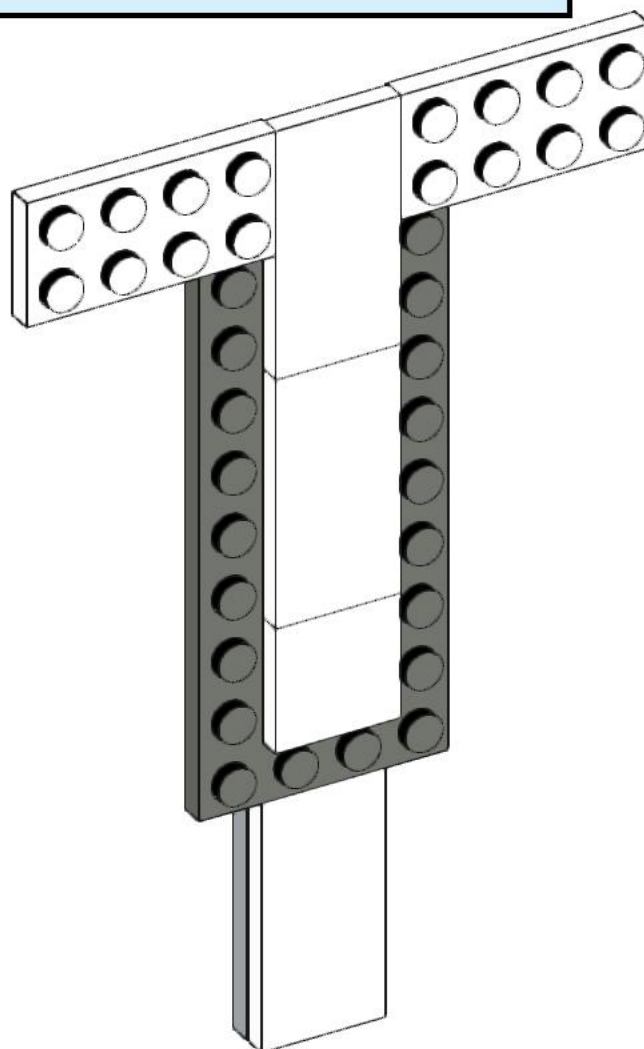
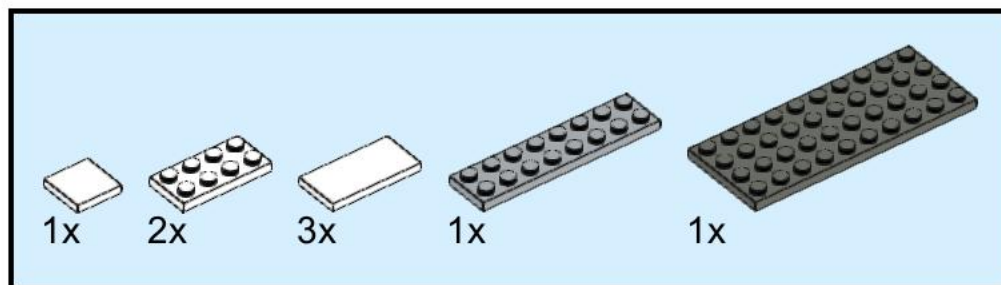
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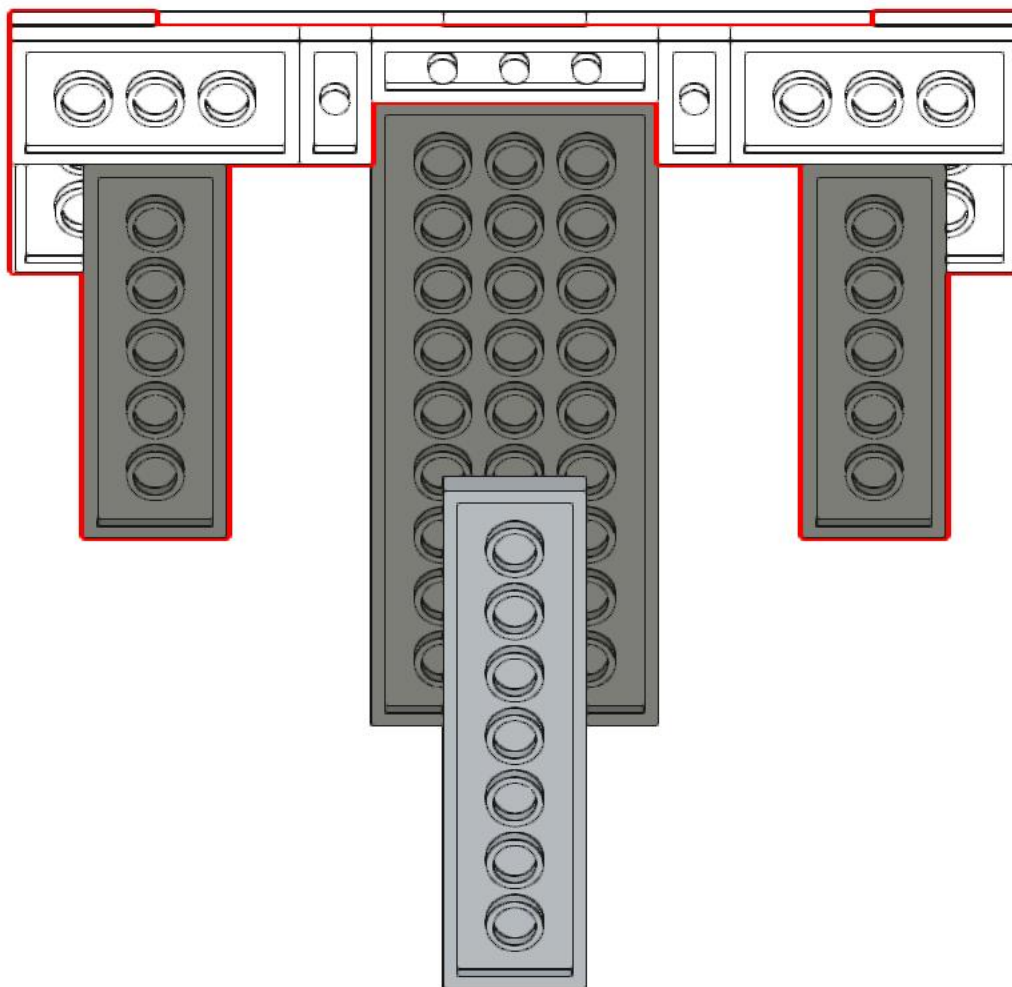
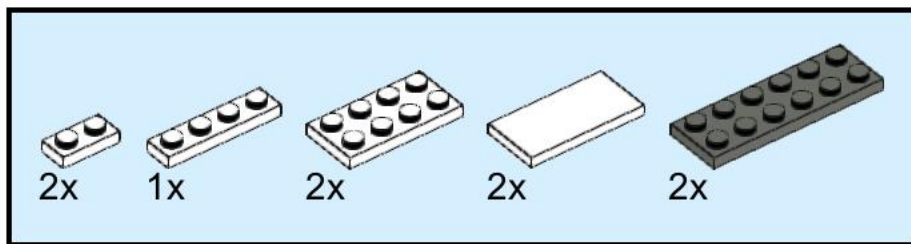
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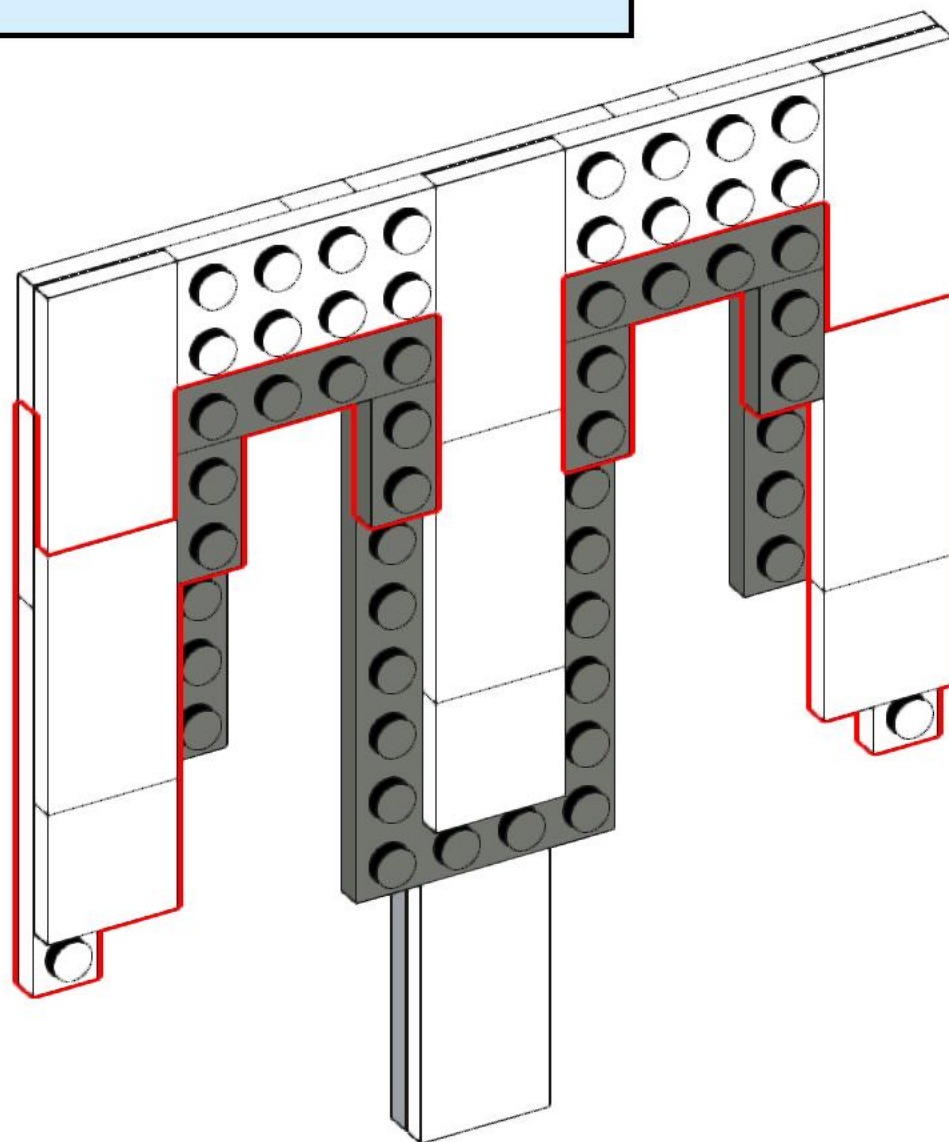
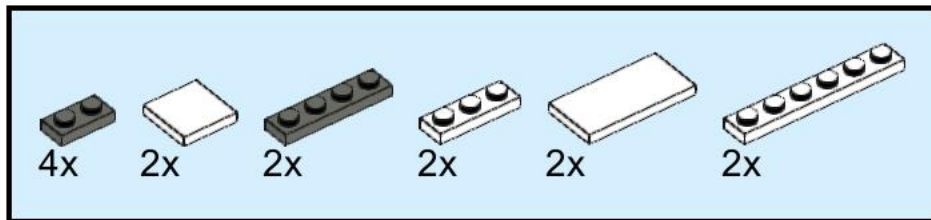
81



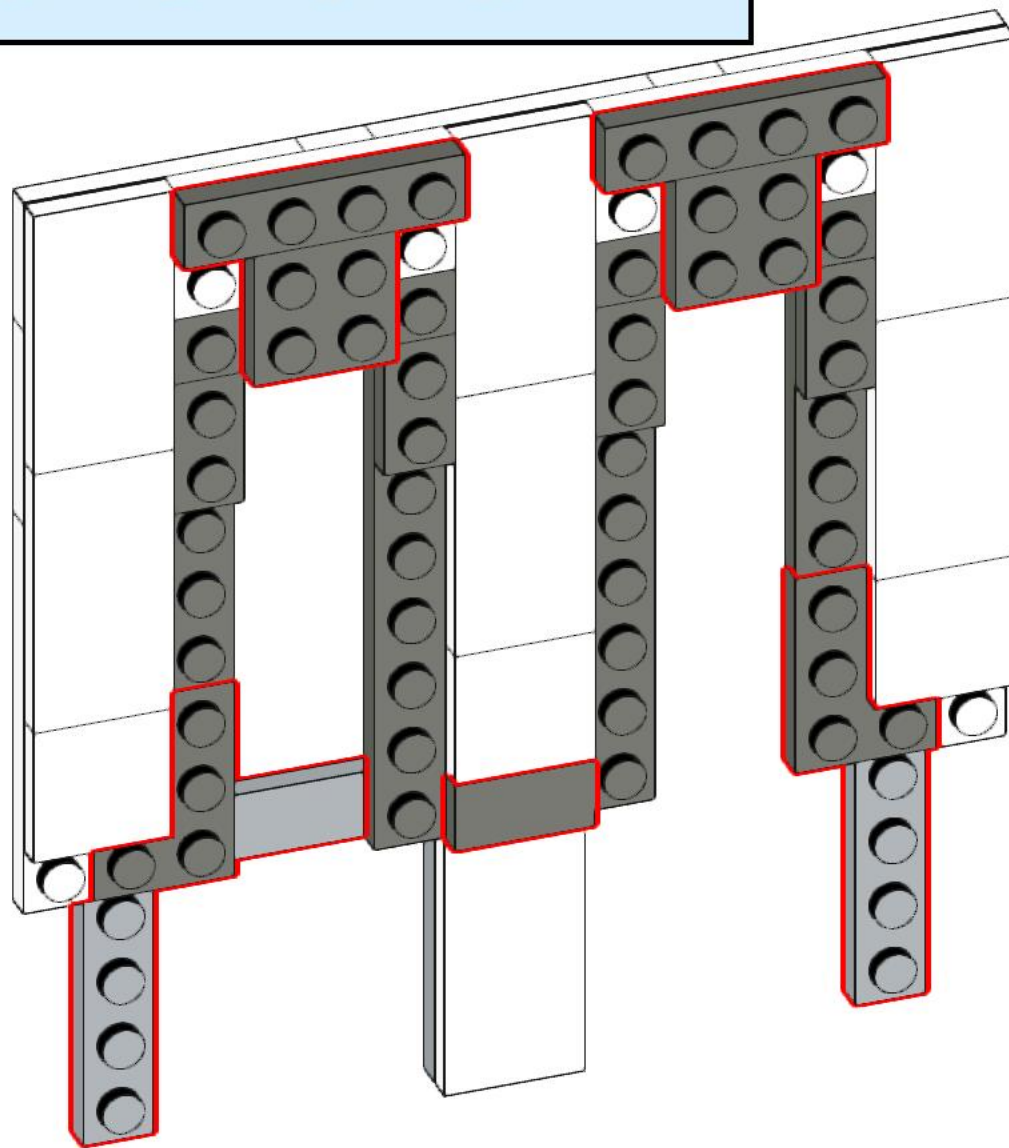
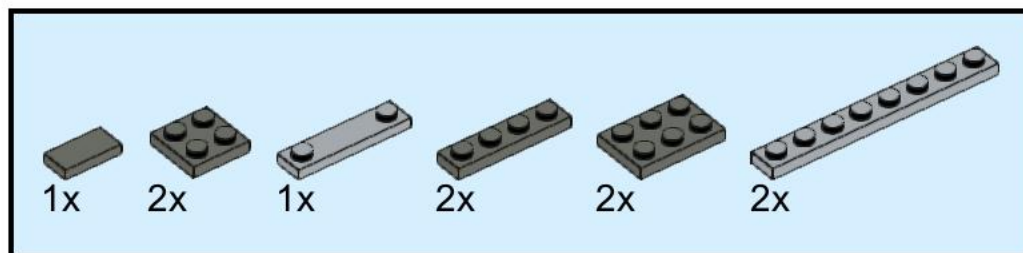
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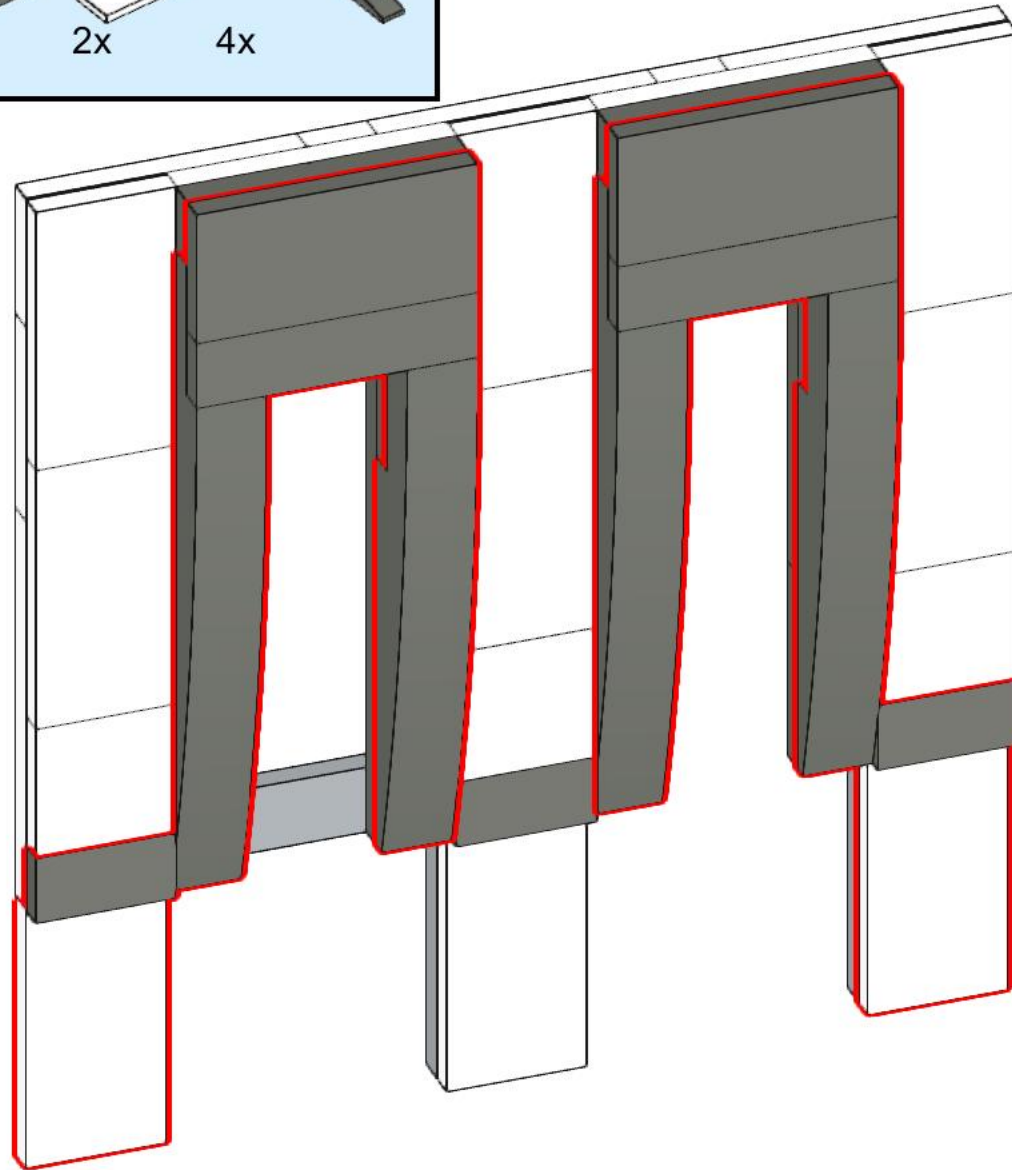
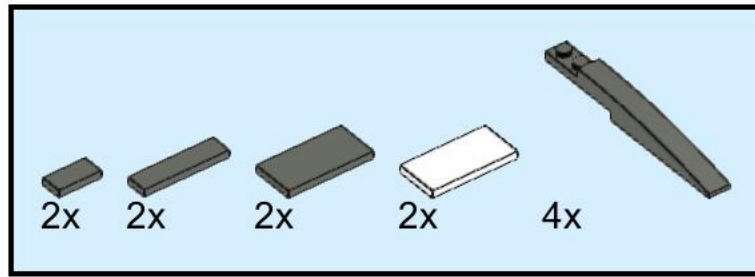
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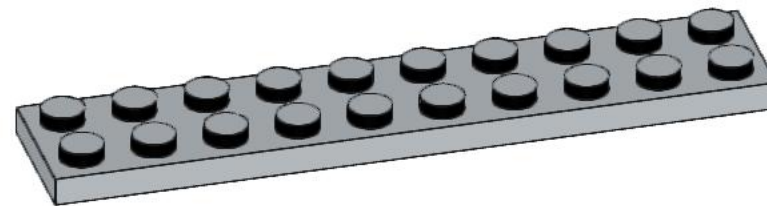
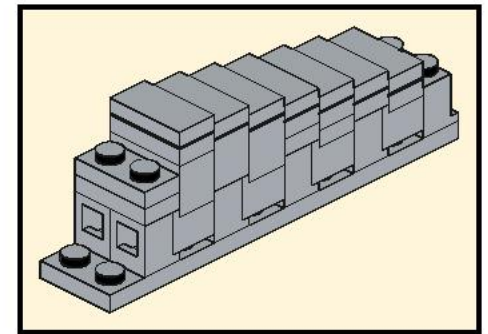
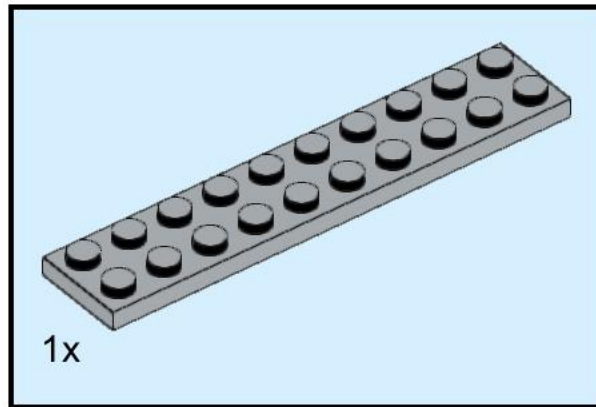
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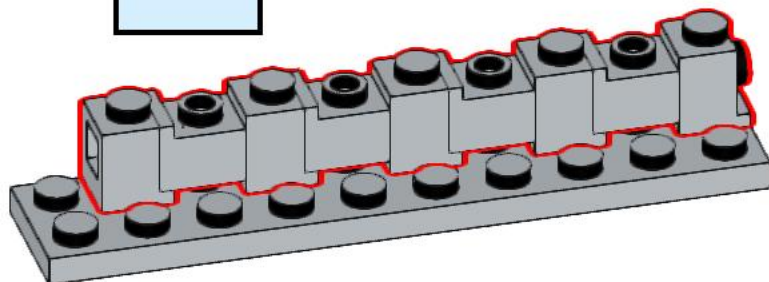
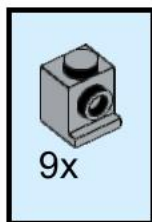
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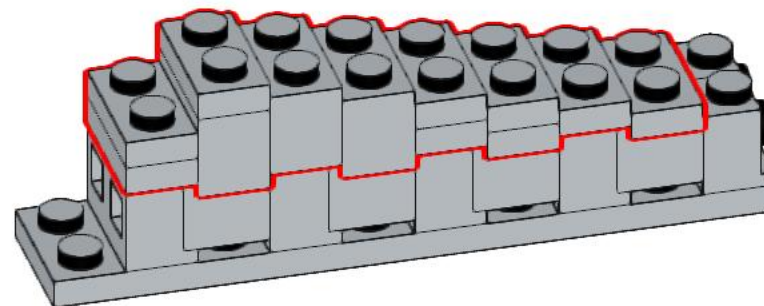
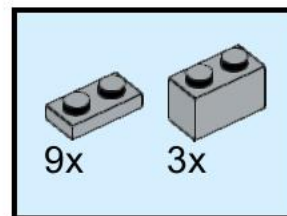
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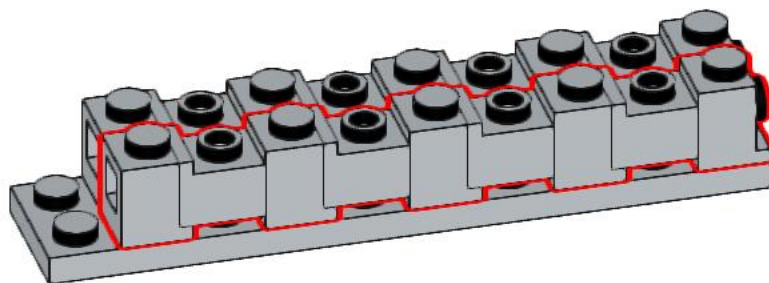
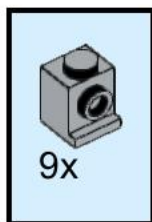
87



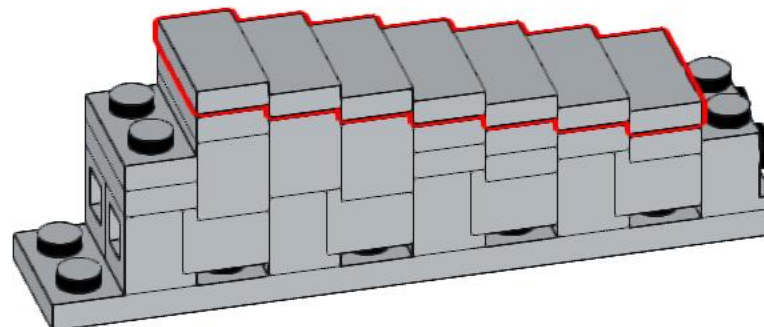
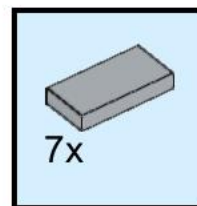
89



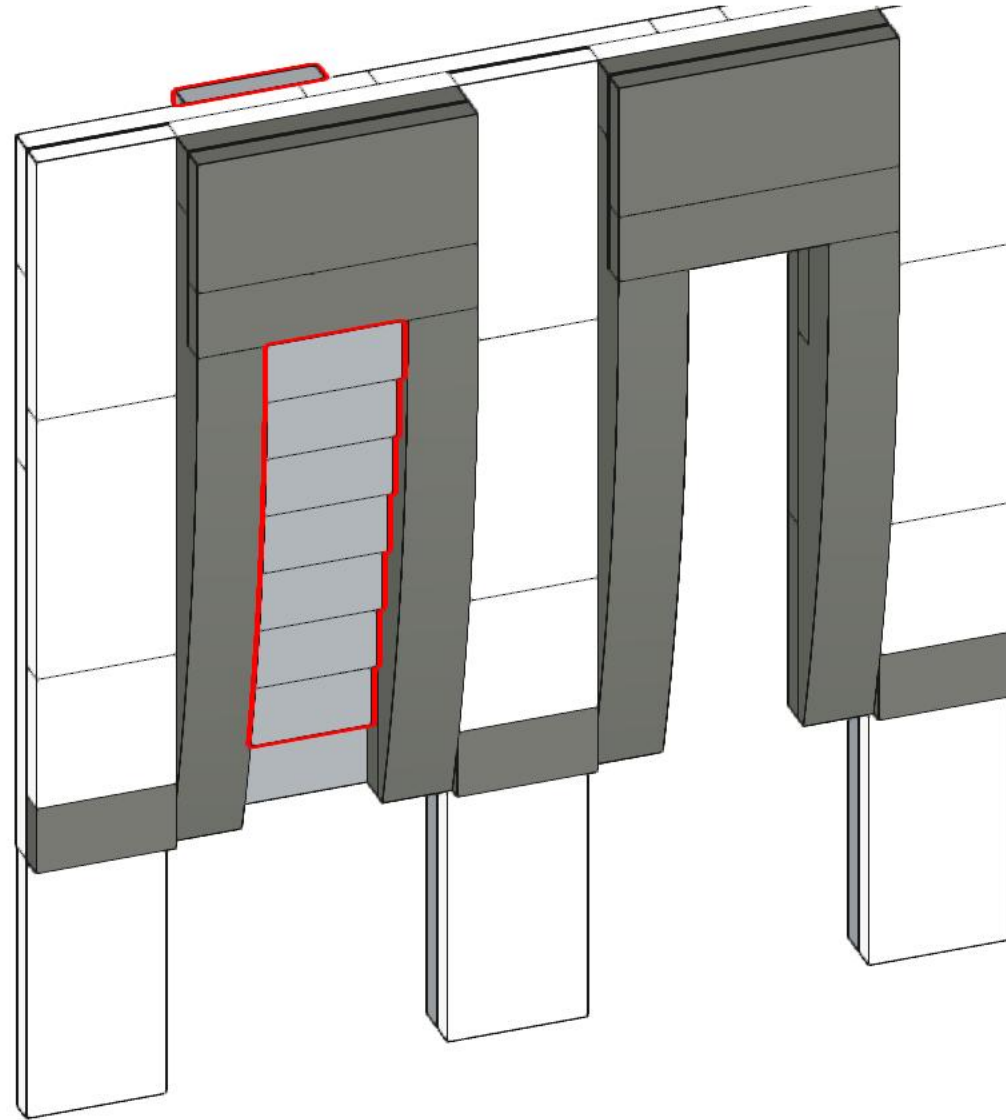
88



90

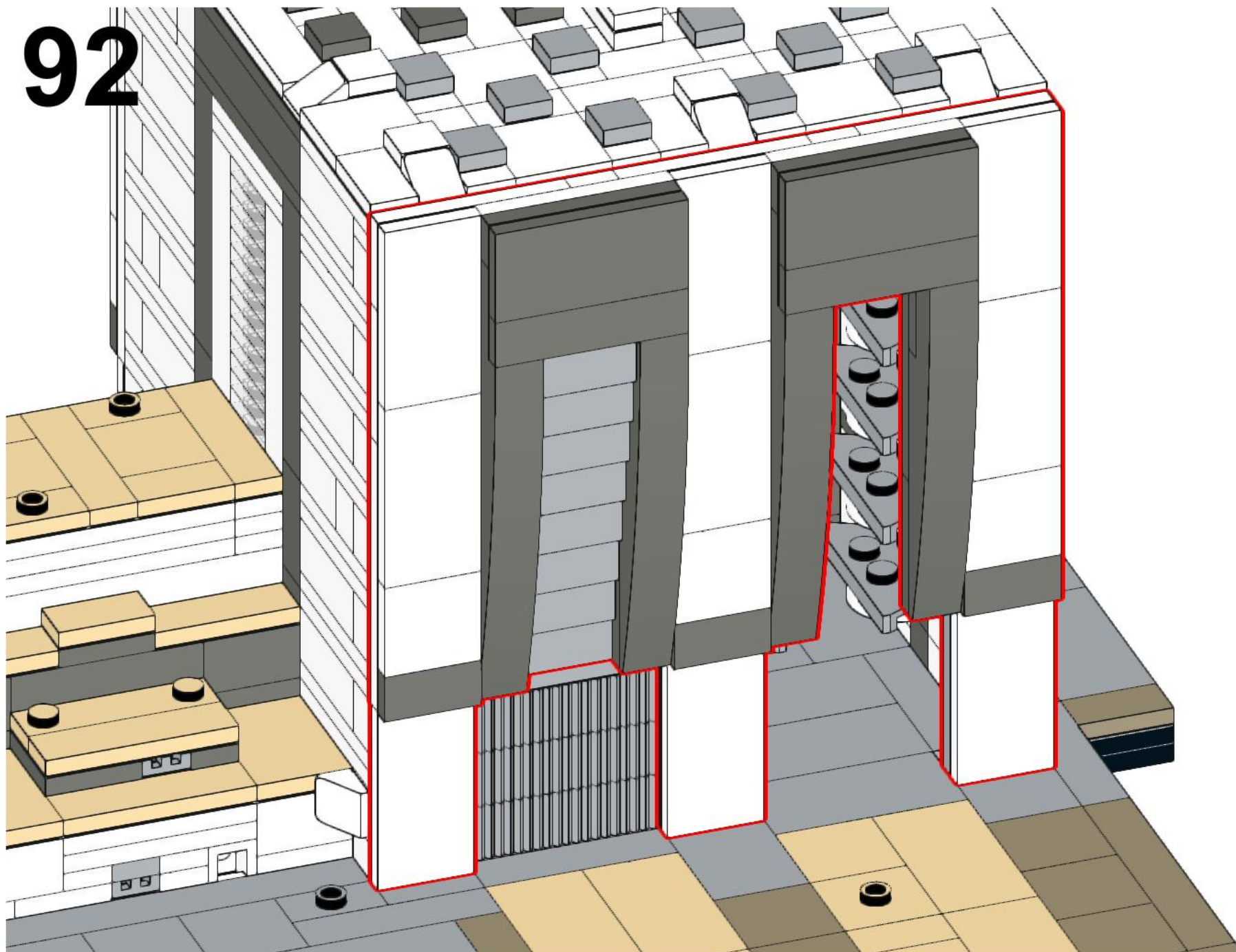


91

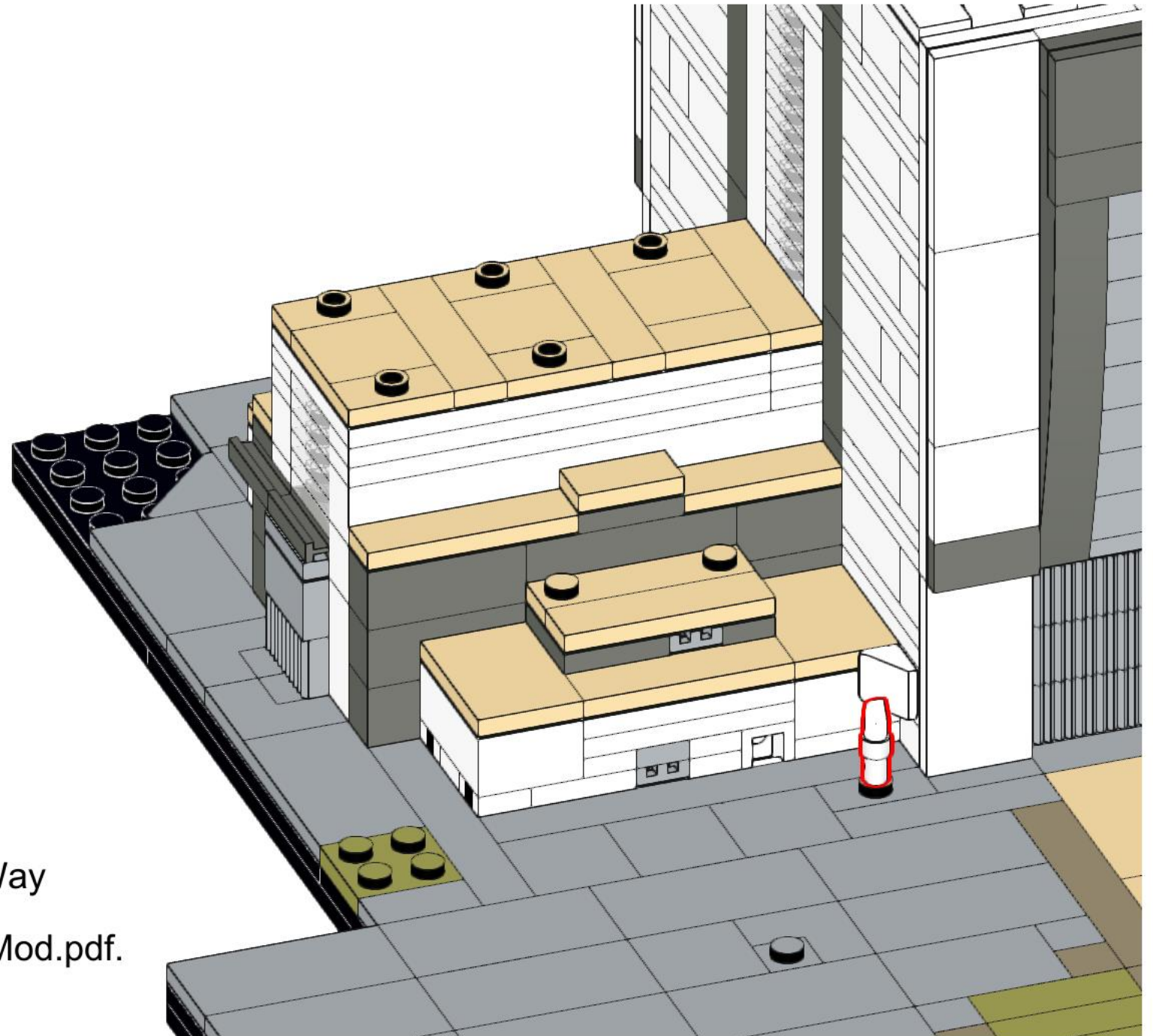
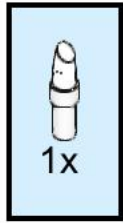


MOD-03 VAB HB East
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

92

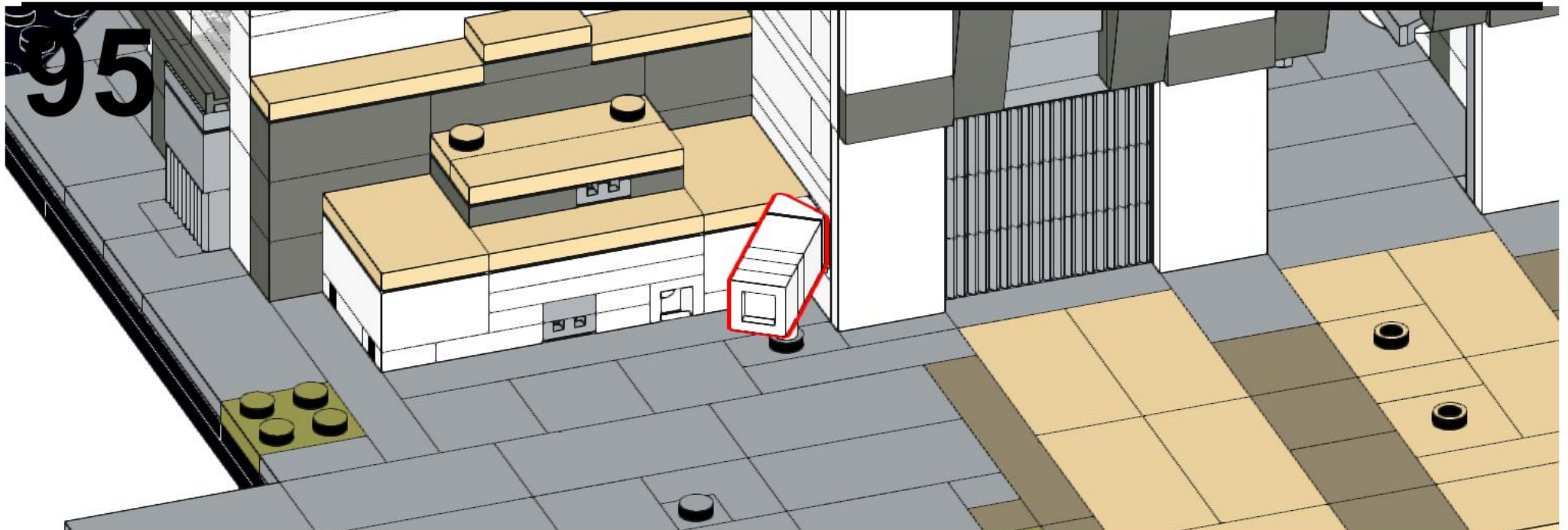
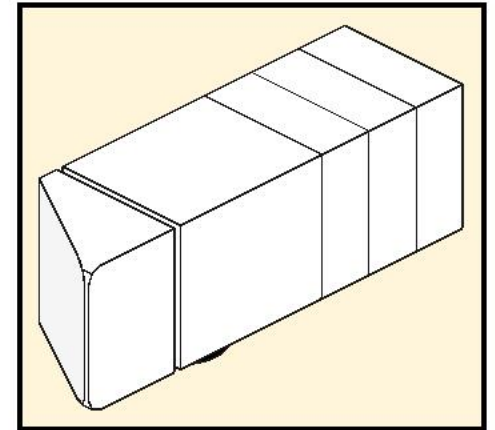
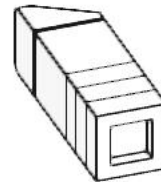
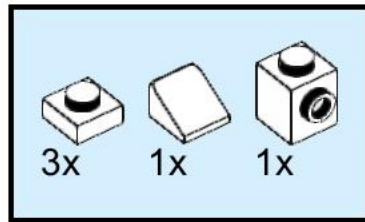


93

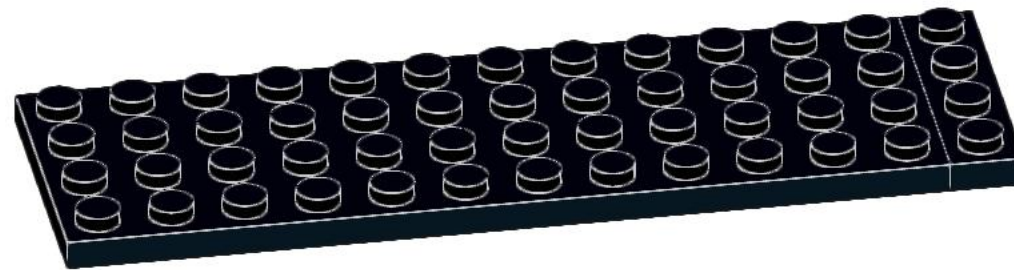
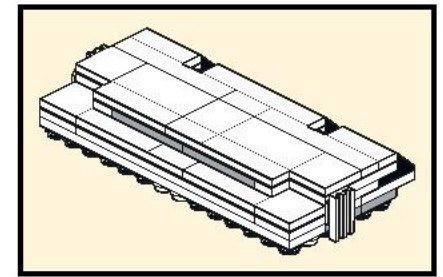
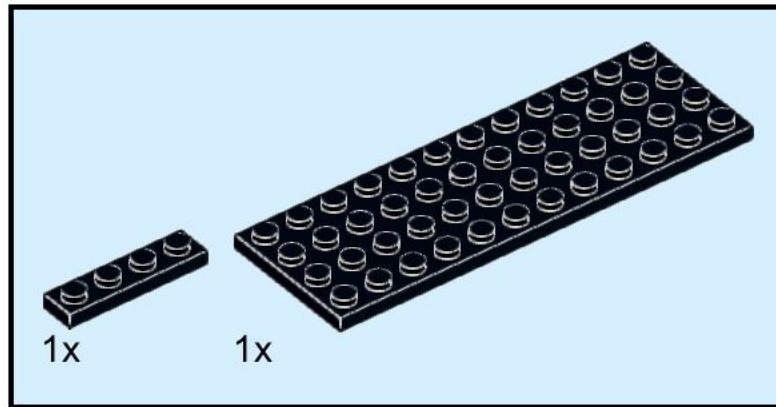


MOD-04 LCC ElevWalkWay
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

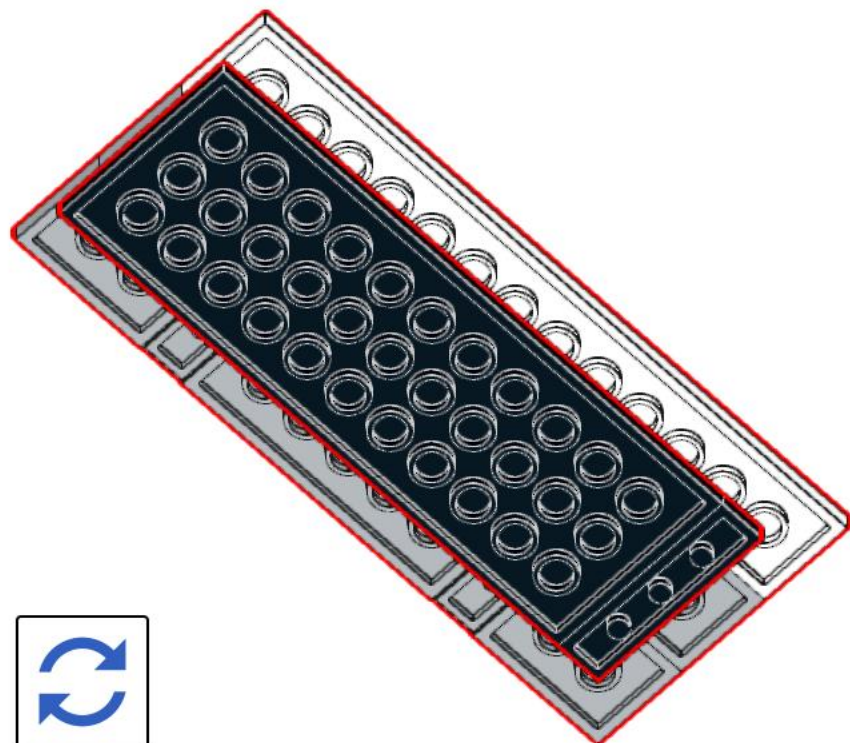
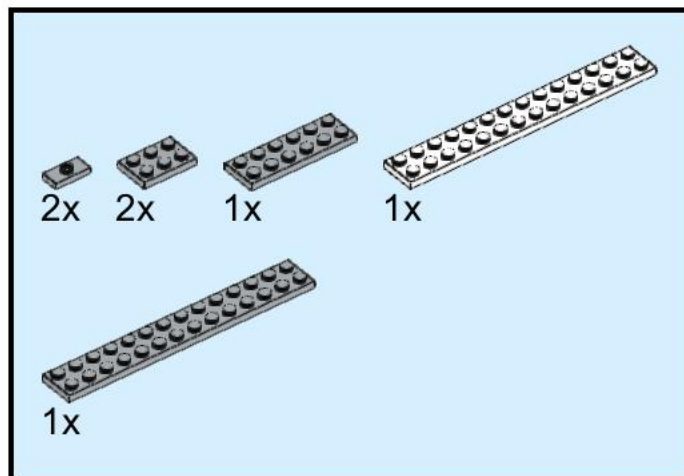
94



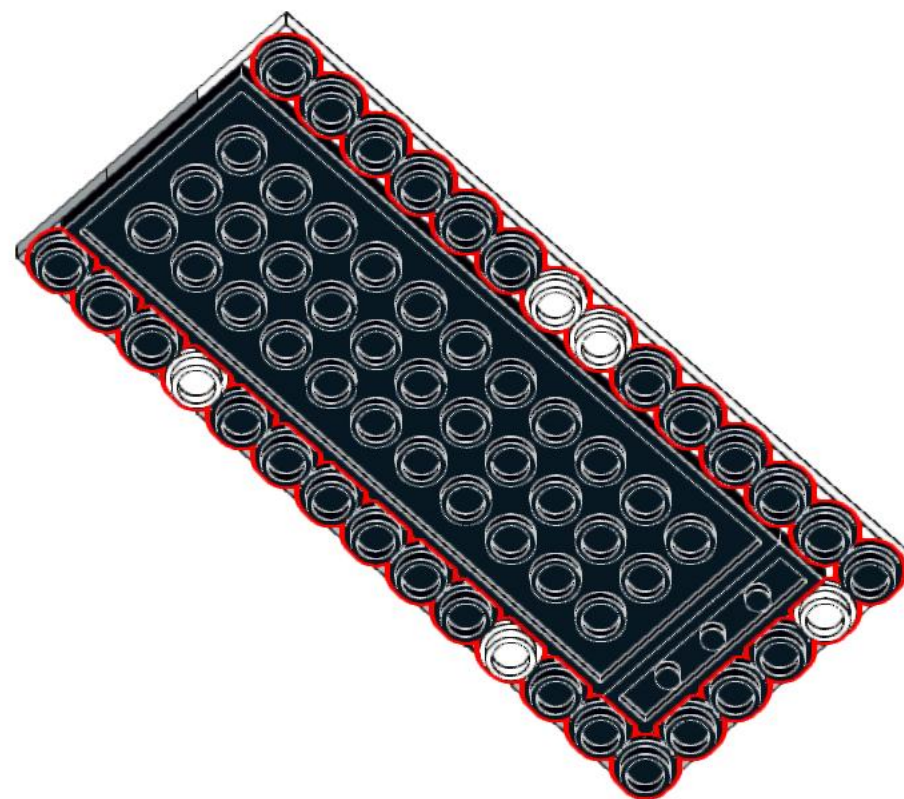
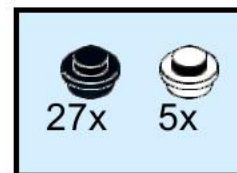
96



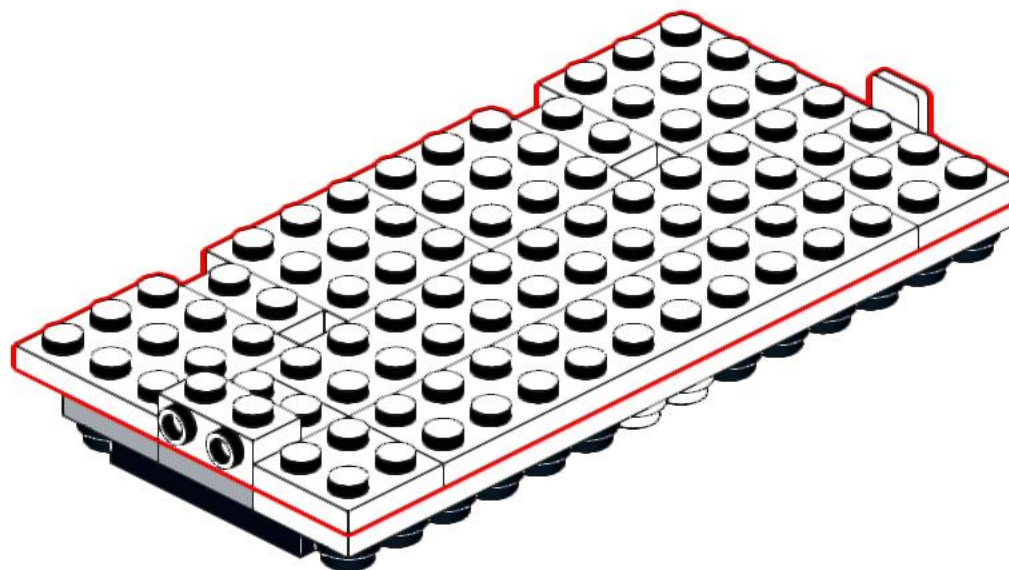
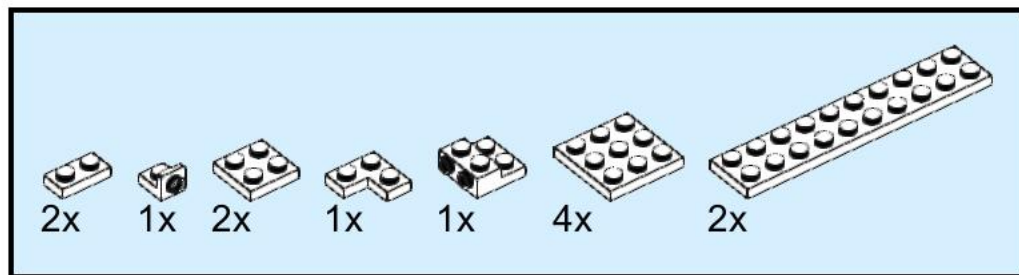
97



98

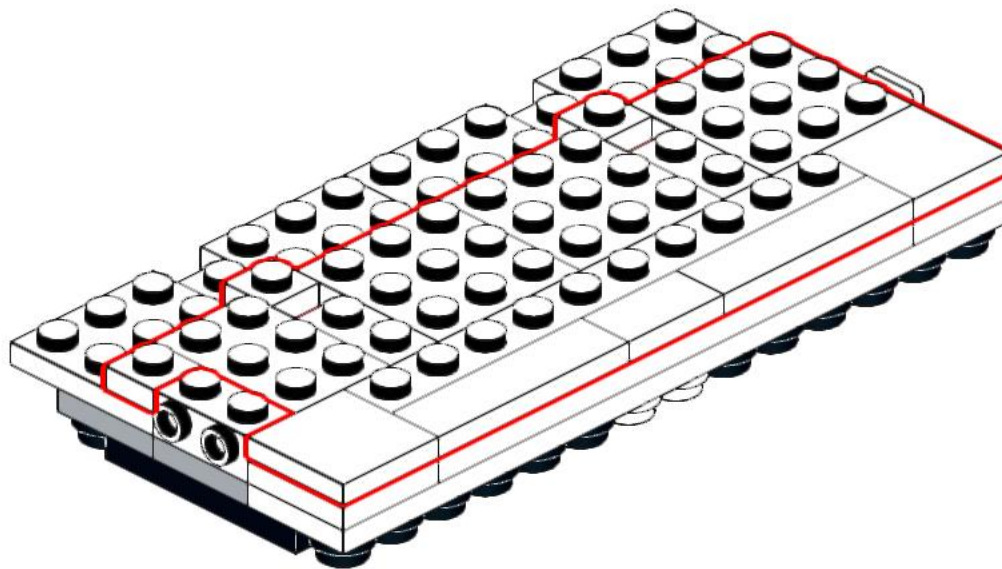
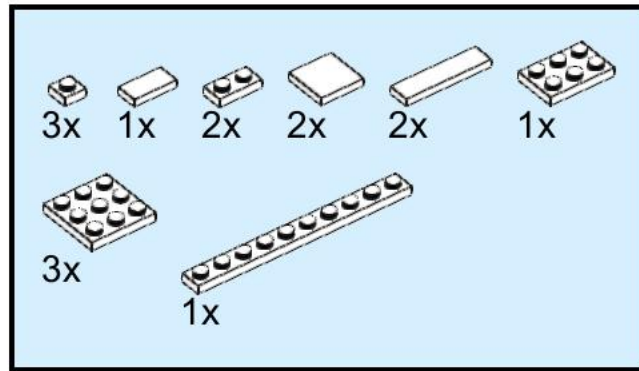


99

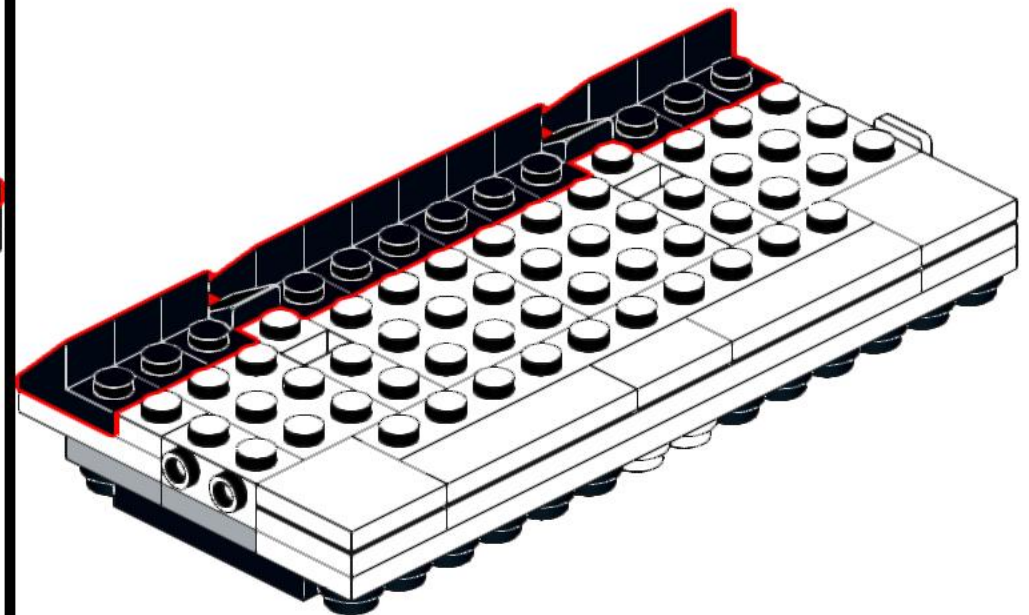
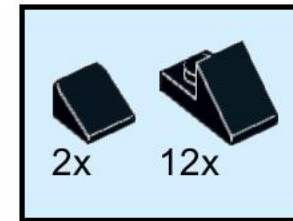


MOD-05 LCC Rear
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

100

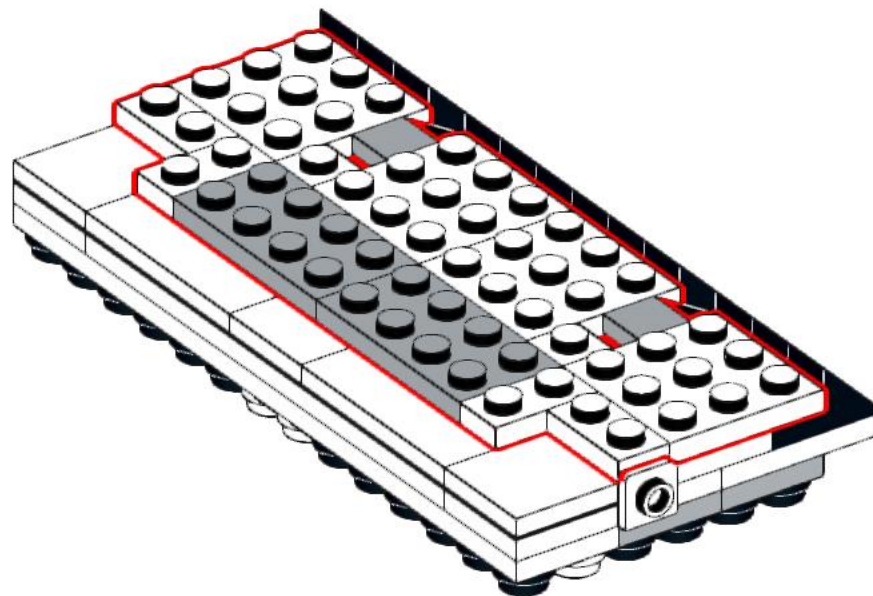
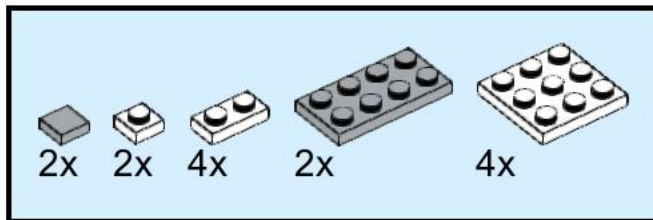


101

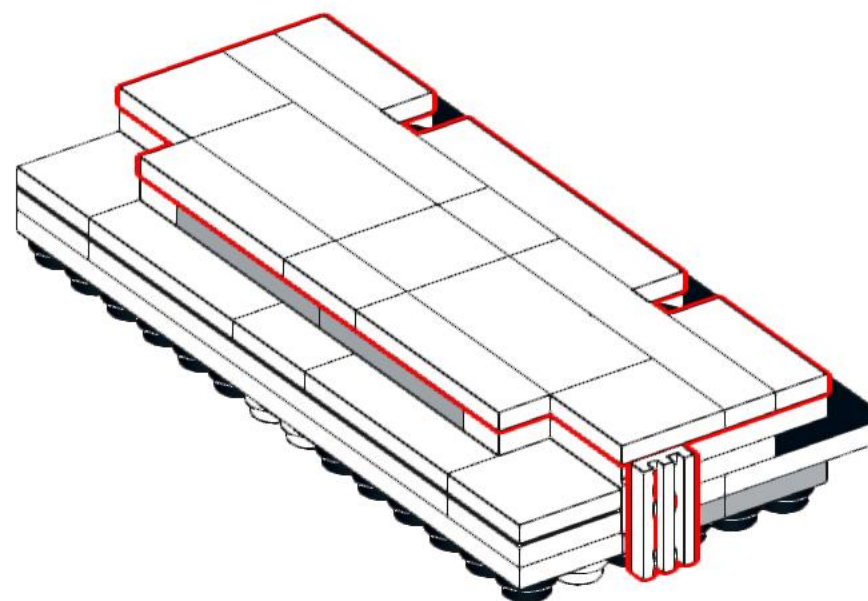
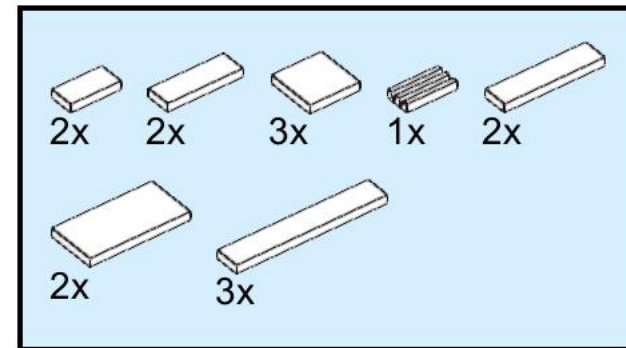


MOD-06 LCC Front
For Details refer to file VAB_MODS_01.

102

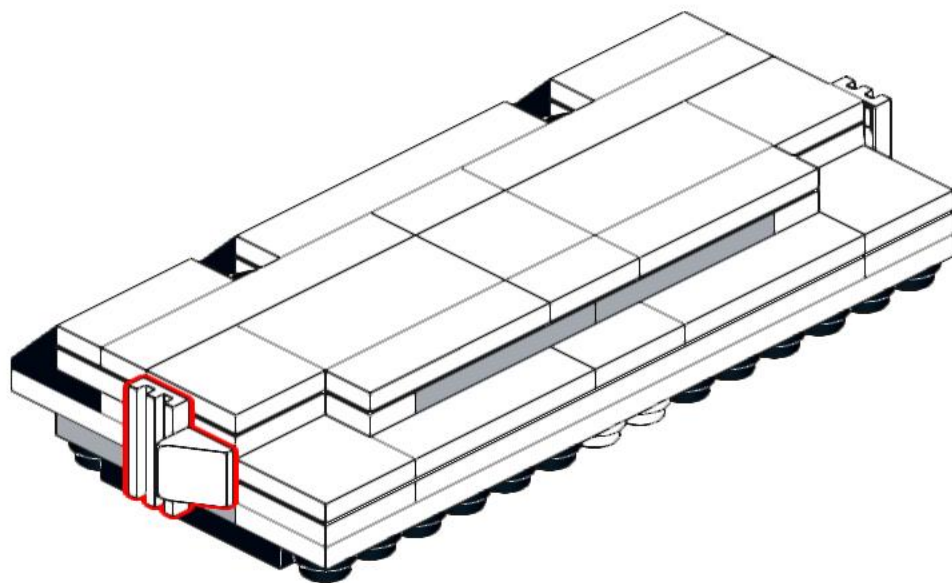
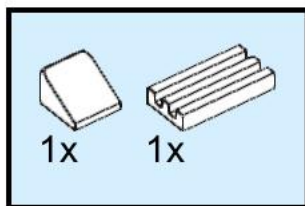


103

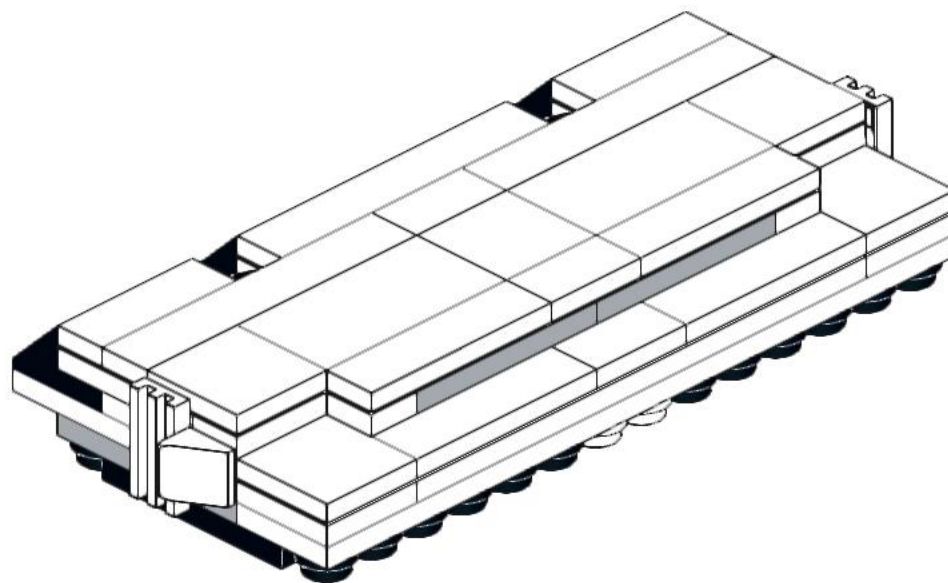


MOD-05 LCC Rear
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

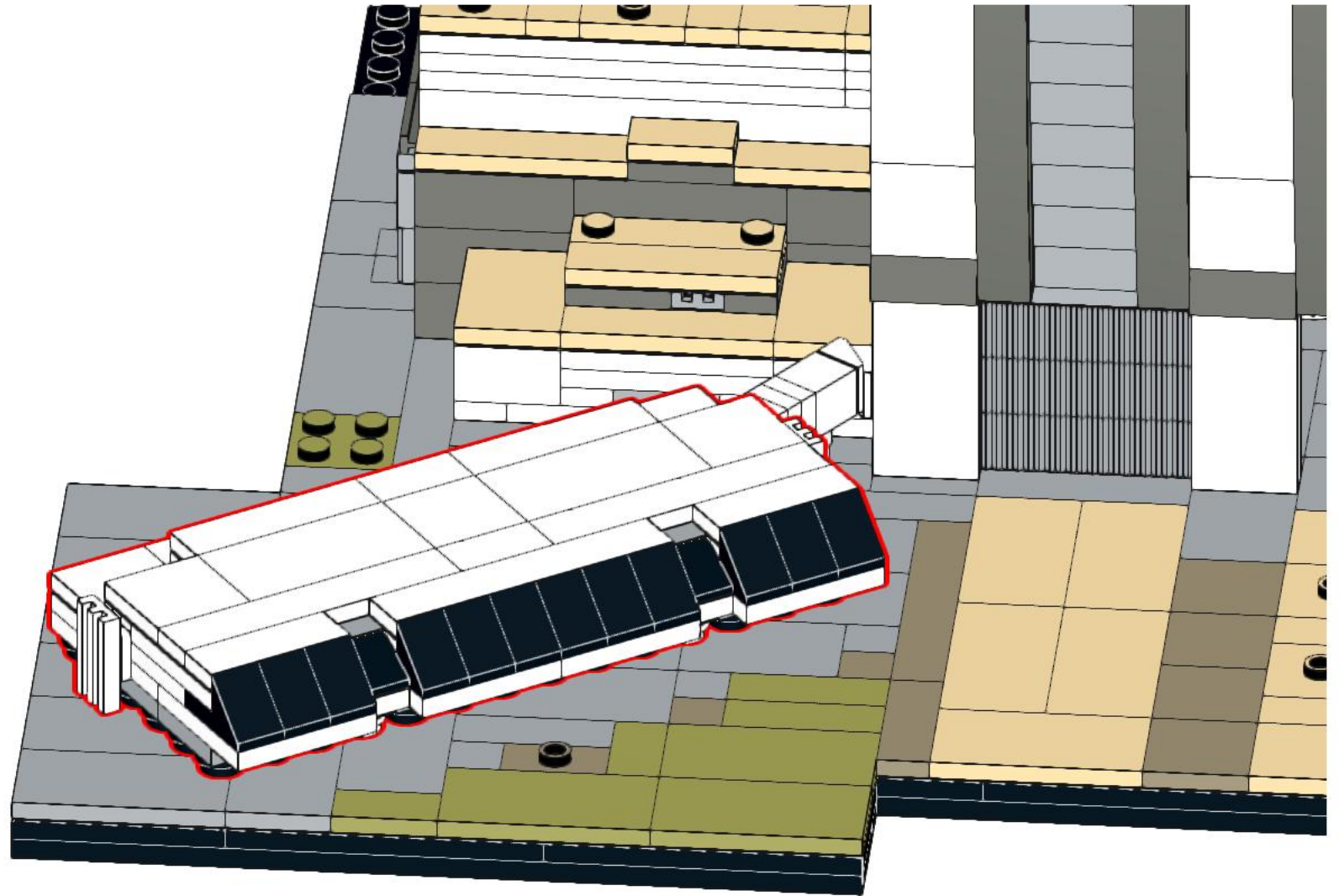
104



105



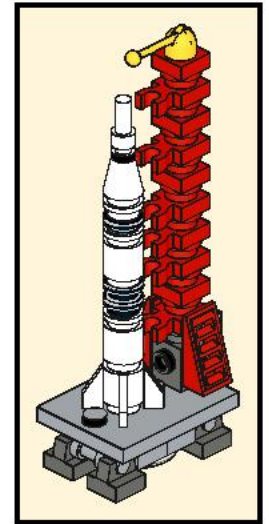
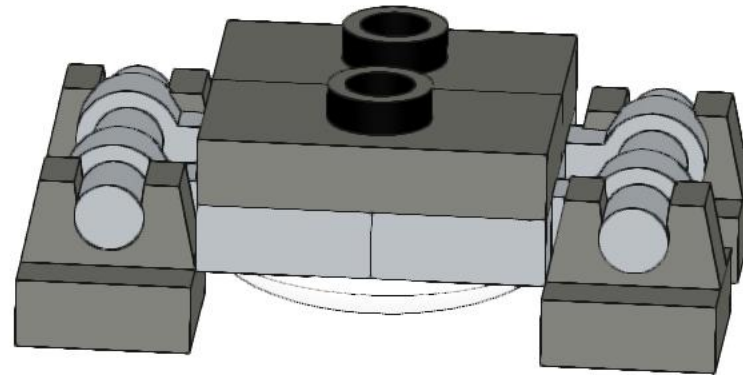
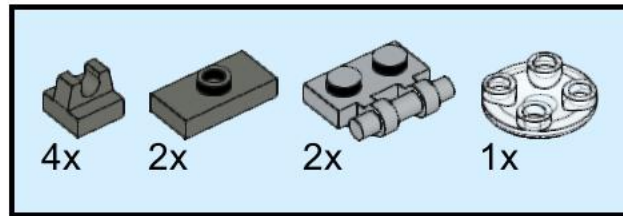
106



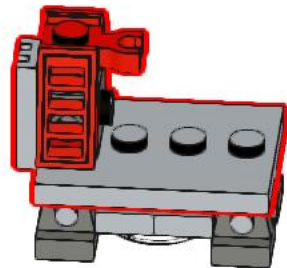
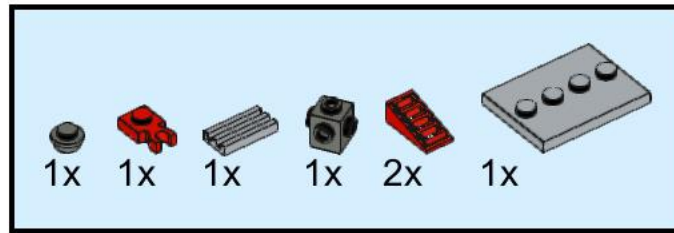
Correct LCC Orientation:



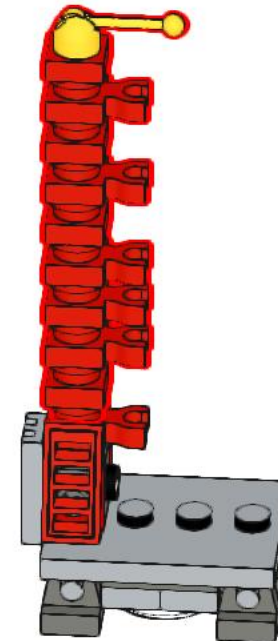
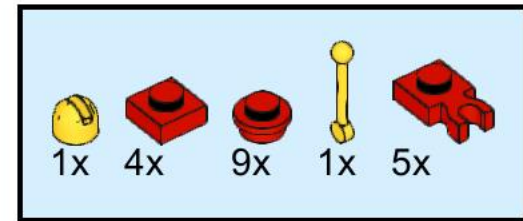
107



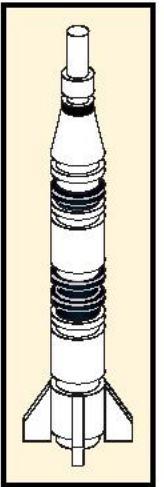
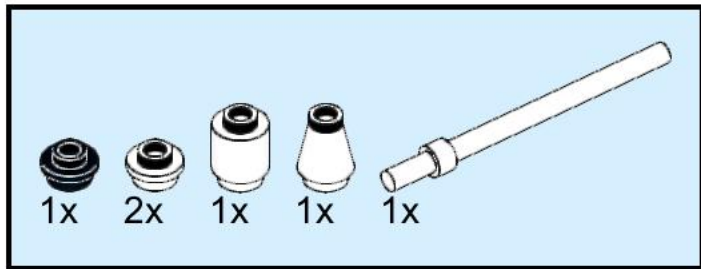
108



109

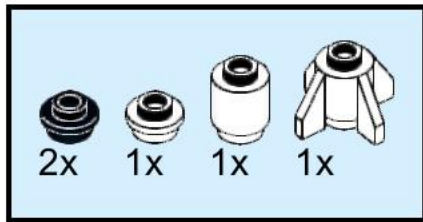


110



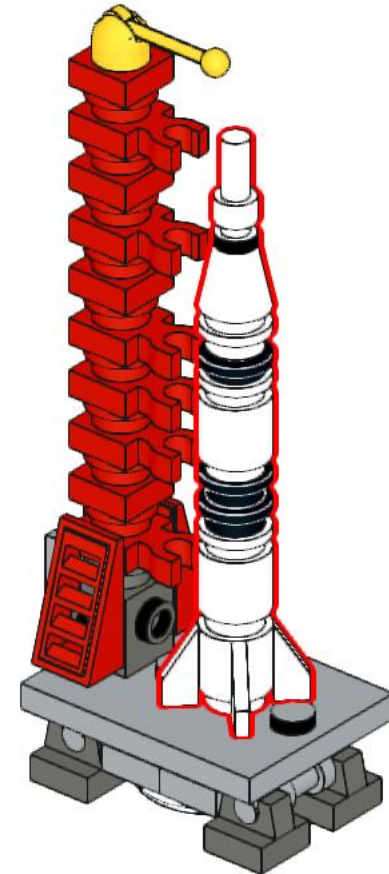
MOD-07 Saturn V
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

111

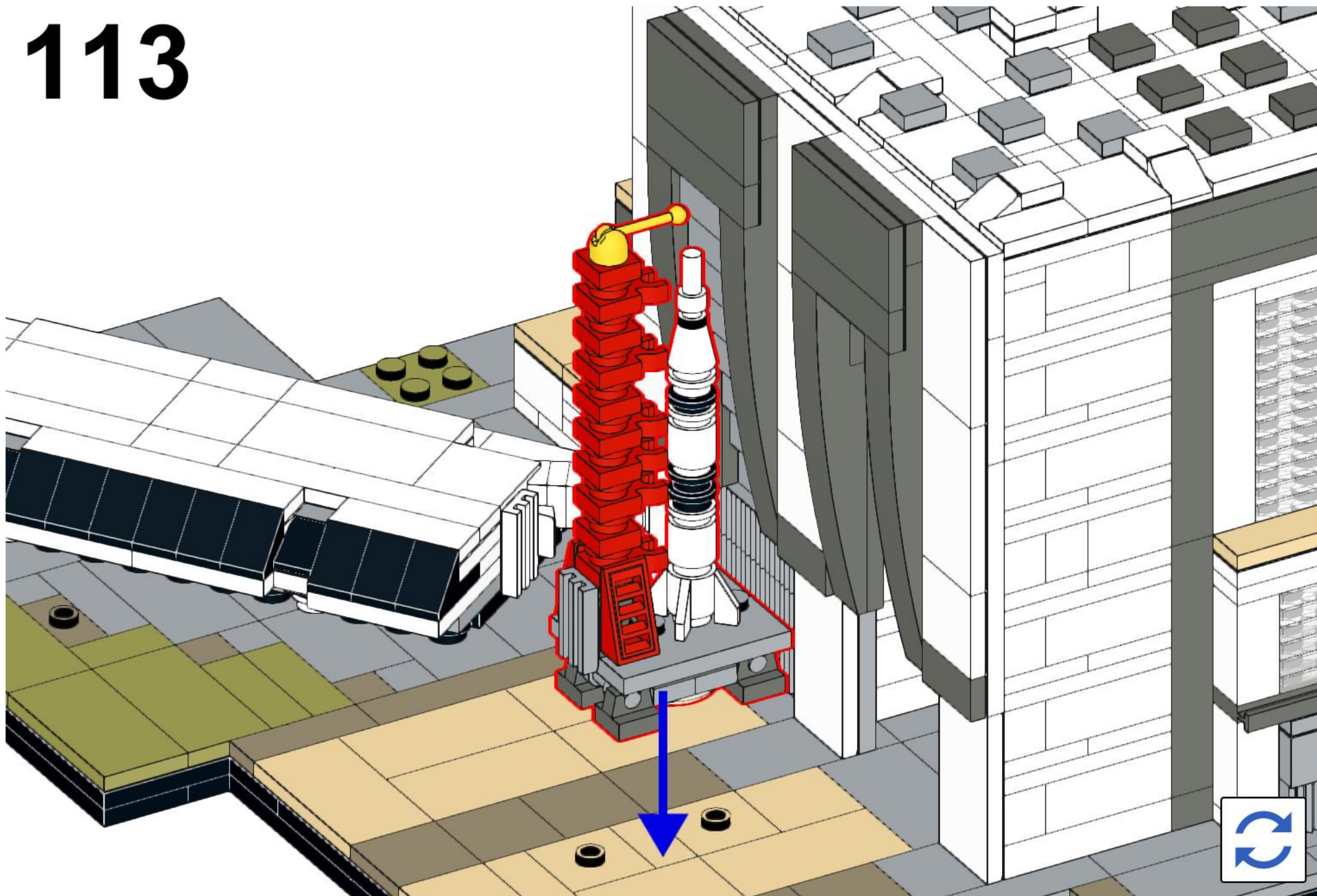


MOD-07 Saturn V
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.

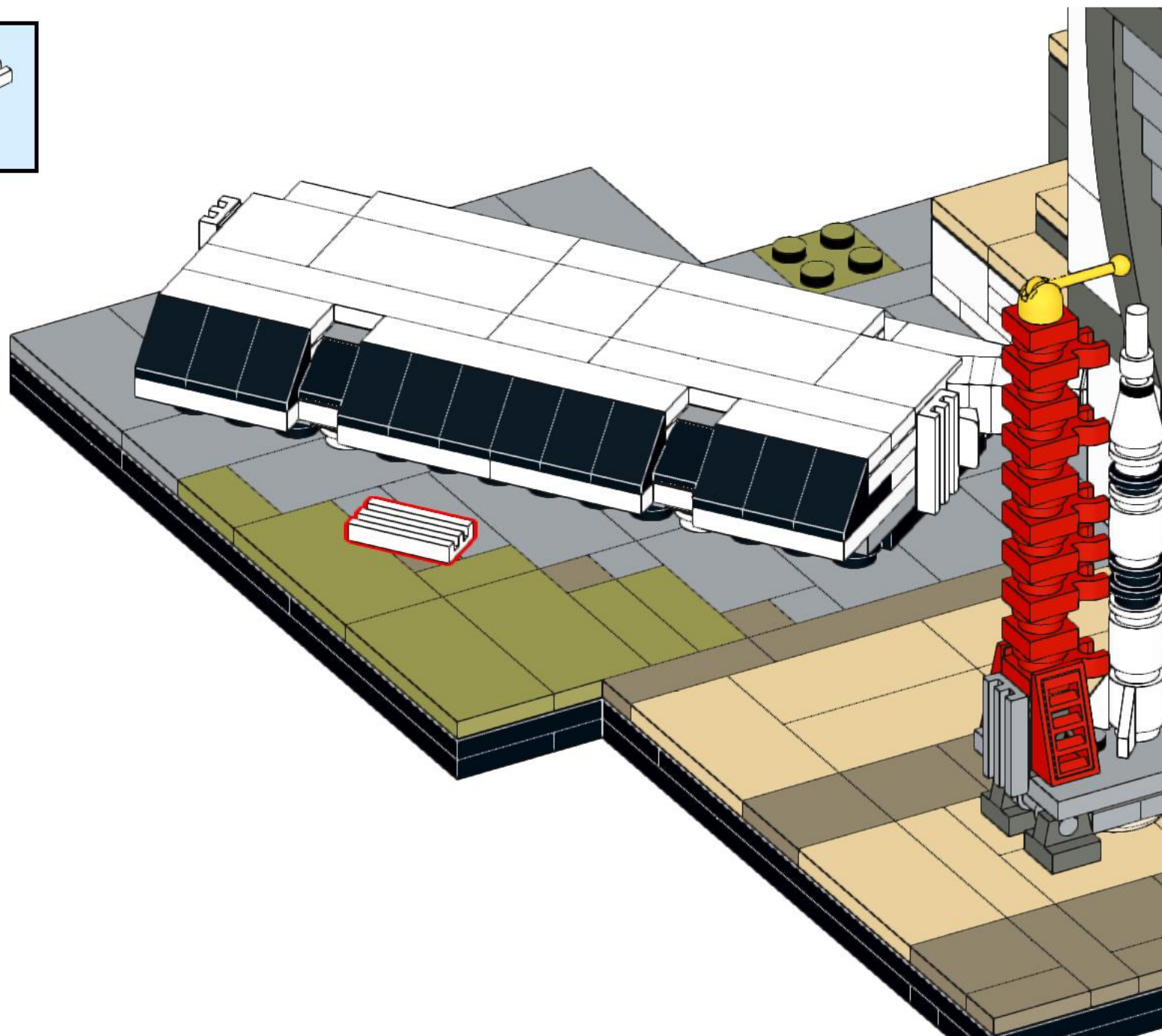
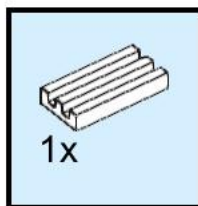
112



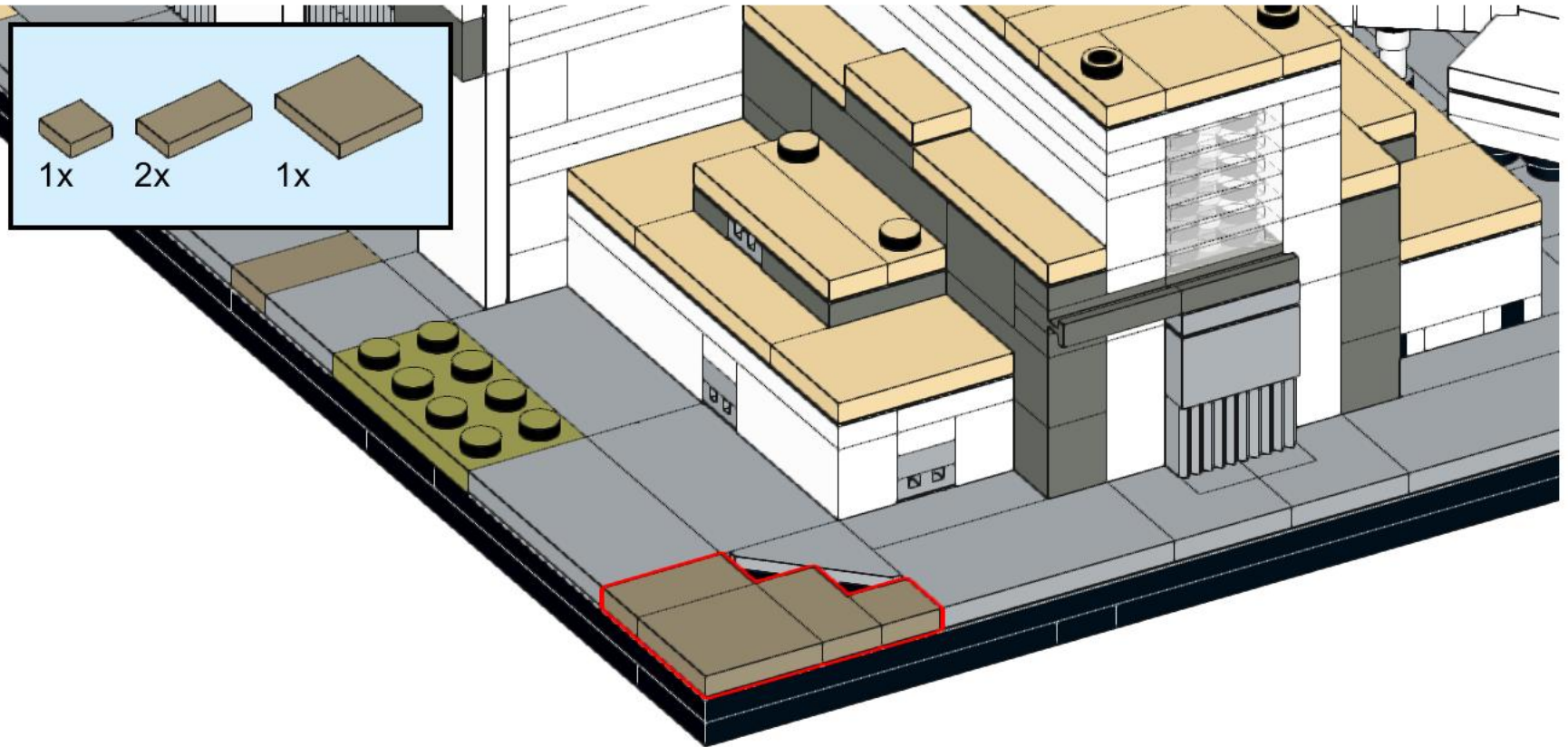
113



114



115



MOD-08 Grass
For Details refer to file
VAB_PG_V01_231025_Mod.pdf.





3x
85861
Black



27x
4073
Black



2x
54200
Black



3x
3023
Black



12x
92946
Black



1x
3710
Black



1x
3020
Black



2x
3666
Black



1x
3795
Black



2x
3034
Black



2x
3036
Black



2x
2445
Black



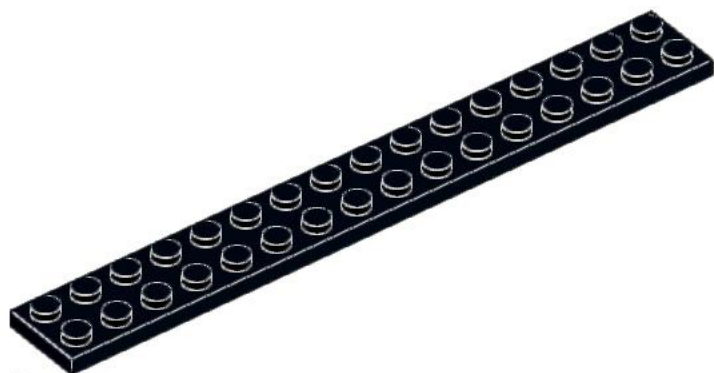
2x
3029
Black



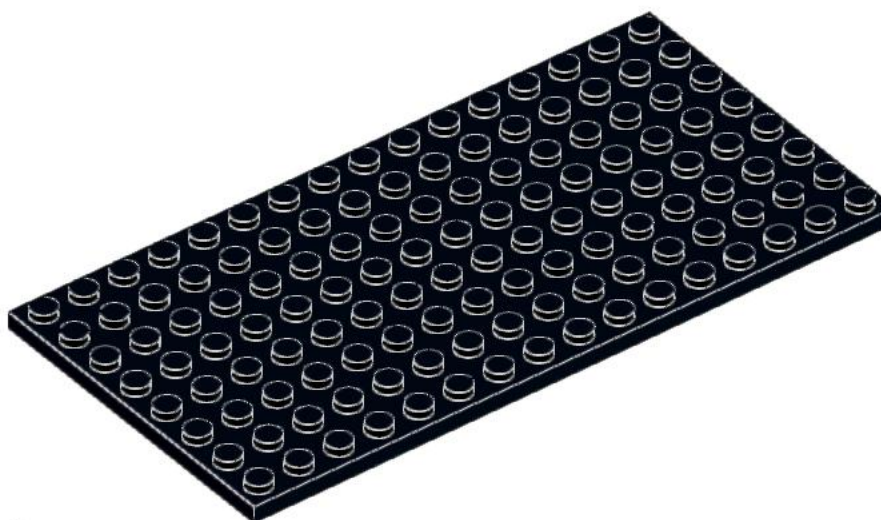
3x
3028
Black



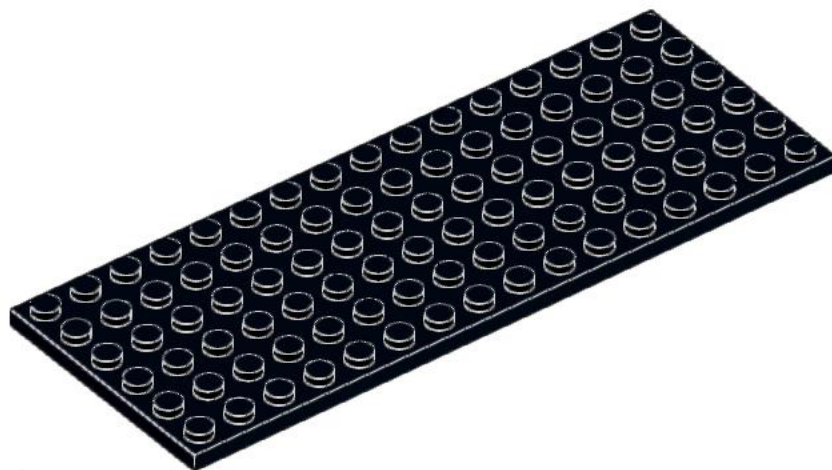
1x
91988
Black



4x
4282
Black



2x
92438
Black



2x
3027
Black



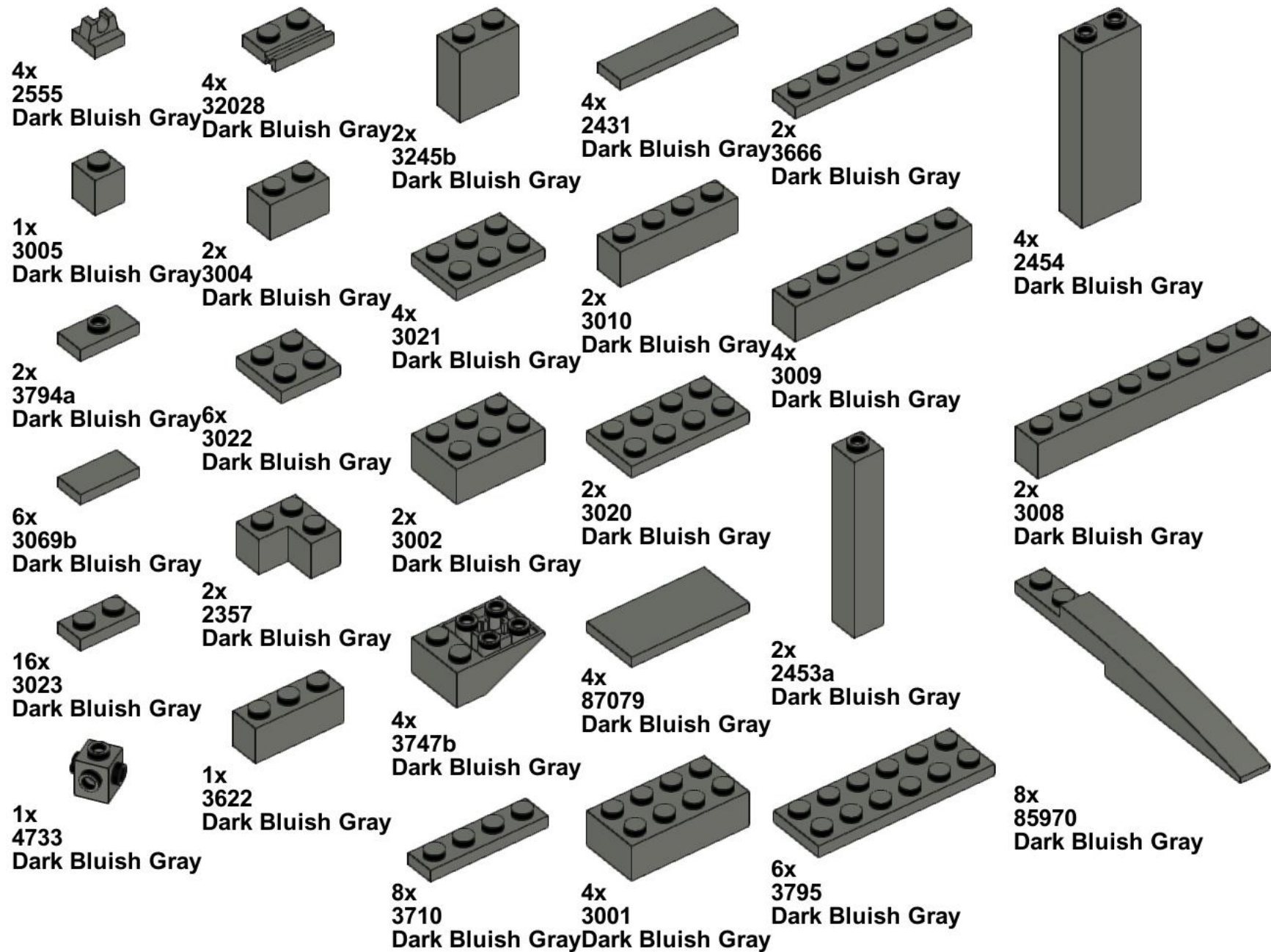
12x
3070b
Dark Bluish Gray

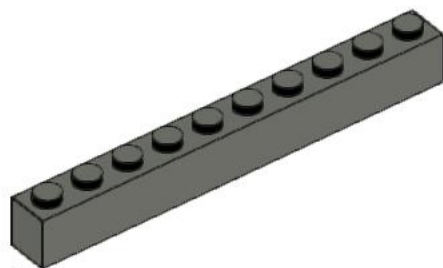


1x
4073
Dark Bluish Gray



4x
3024
Dark Bluish Gray





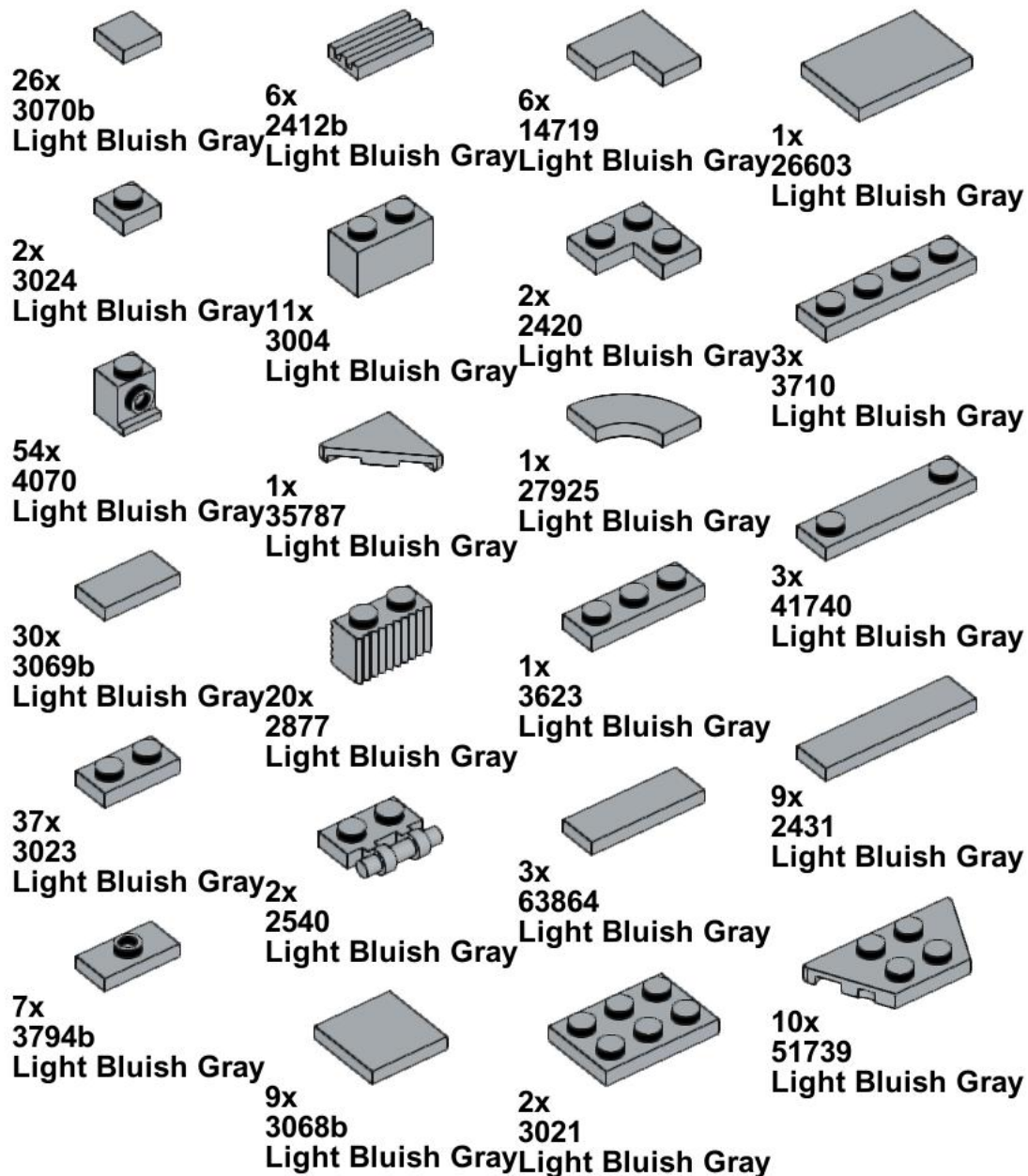
2x
6111
Dark Bluish Gray

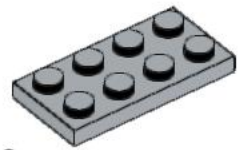


2x
3030
Dark Bluish Gray

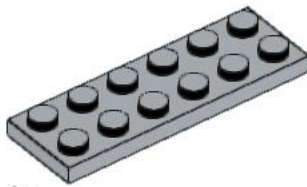


1x
3028
Dark Bluish Gray





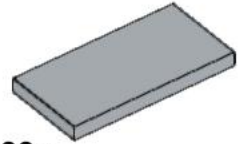
2x
3020
Light Bluish Gray



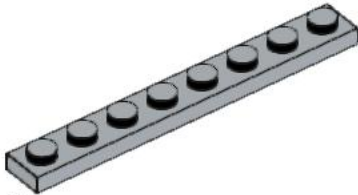
1x
3795
Light Bluish Gray



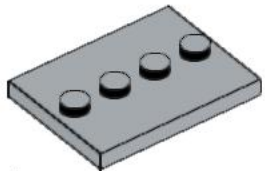
2x
3035
Light Bluish Gray



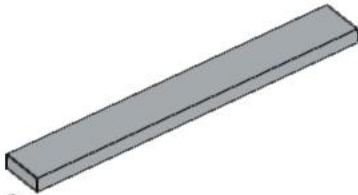
33x
87079
Light Bluish Gray



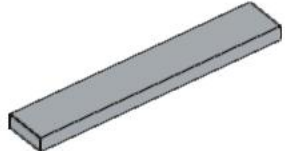
5x
3460
Light Bluish Gray



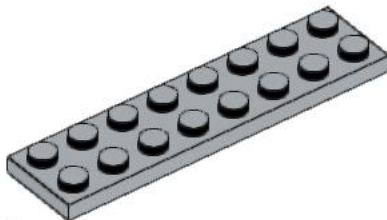
1x
88646
Light Bluish Gray



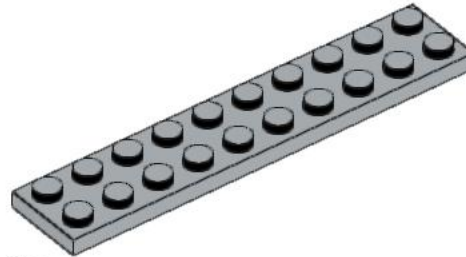
2x
4162
Light Bluish Gray



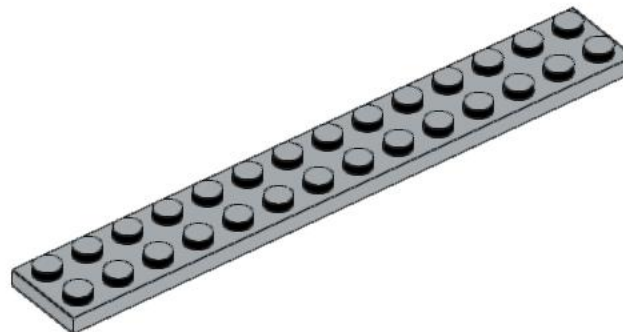
1x
6636
Light Bluish Gray



2x
3034
Light Bluish Gray



3x
3832
Light Bluish Gray



1x
91988
Light Bluish Gray



17x
3070b
White



5x
4073
White



2x
3024pb010
White



33x
3024
White



3x
85861
White



14x
54200
White



5x
3005
White



2x
3062b
White



1x
36840
White



1x
4589
White



1x
4070
White



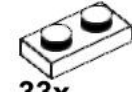
24x
87087
White



1x
93094pb02
White



1x
26604
White



33x
3023
White



37x
3794b
White



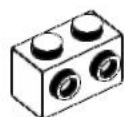
11x
3069b
White



3x
2412b
White



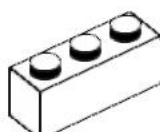
7x
3004
White



4x
11211
White



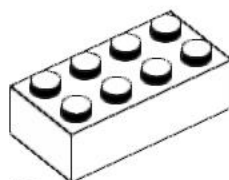
1x
4588
White



21x
3622
White



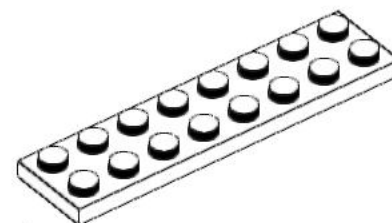
12x
2431
White



10x
3001
White



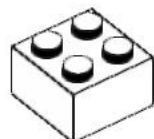
4x
2453a
White



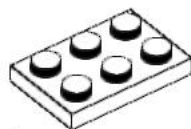
1x
3034
White



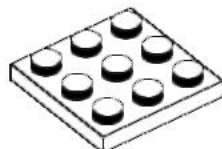
24x
3068b
White



6x
3003
White



3x
3021
White



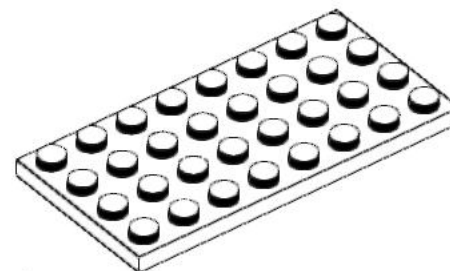
11x
11212
White



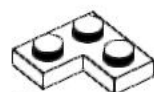
3x
6636
White



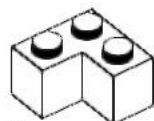
3x
2454
White



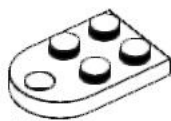
1x
3035
White



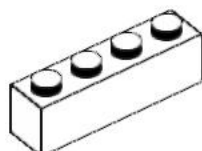
10x
2420
White



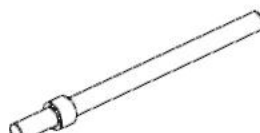
7x
2357
White



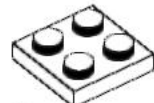
10x
3176
White



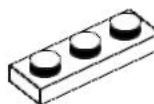
11x
3010
White



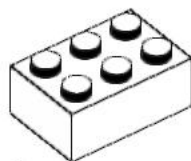
1x
63965
White



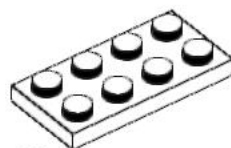
2x
3022
White



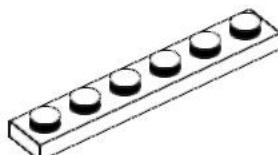
6x
3623
White



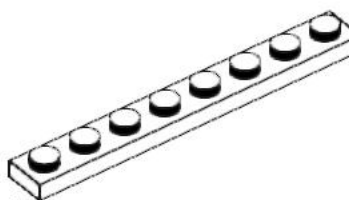
2x
3002
White



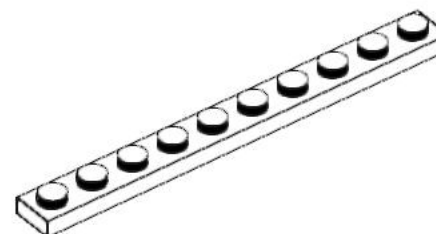
12x
3020
White



4x
3666
White



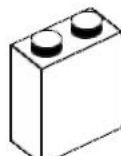
5x
3460
White



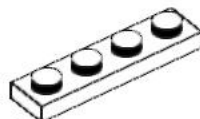
1x
4477
White



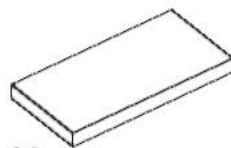
1x
99206
White



12x
3245b
White



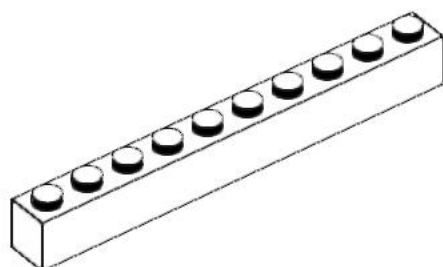
61x
3710
White



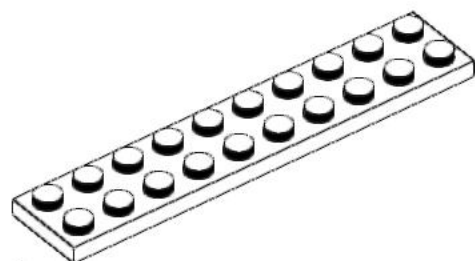
20x
87079
White



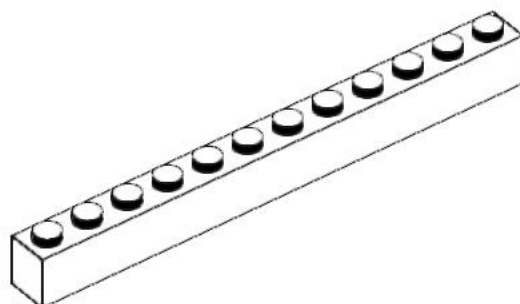
2x
63864
White



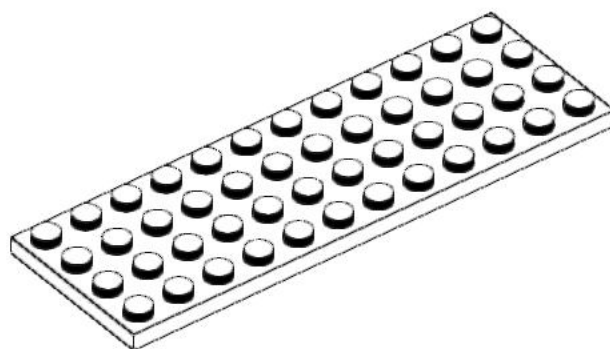
2x
6111
White



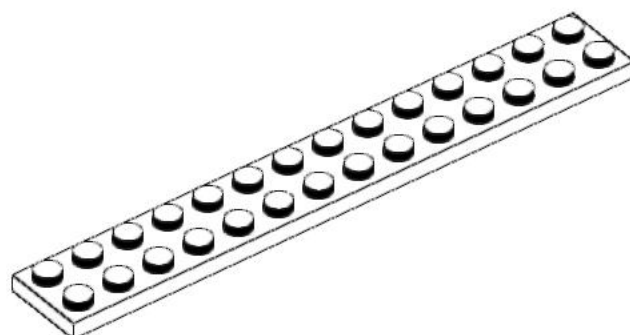
2x
3832
White



1x
6112
White



2x
3029
White



1x
91988
White



4x
3024
Red



9x
4073
Red



6x
4085c
Red



2x
61409
Red



3x
3070b
Dark Tan



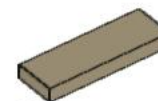
1x
3794a
Dark Tan



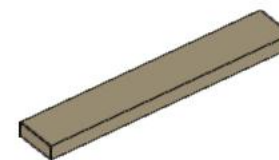
5x
3069b
Dark Tan



9x
3068b
Dark Tan



2x
63864
Dark Tan



2x
6636
Dark Tan



1x
3070b
Tan



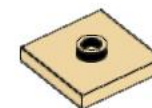
1x
25269
Tan



4x
3069b
Tan



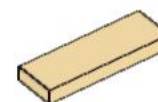
5x
3794b
Tan



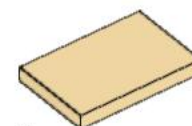
2x
87580
Tan



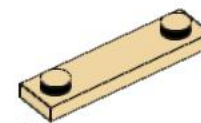
4x
3068b
Tan



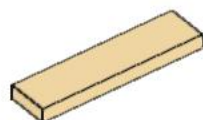
2x
63864
Tan



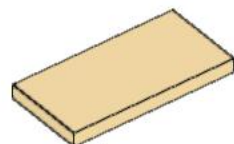
5x
26603
Tan



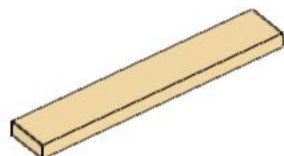
2x
41740
Tan



13x
2431
Tan



8x
87079
Tan



1x
6636
Tan



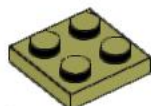
1x
4592
Yellow



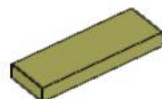
1x
4593
Yellow



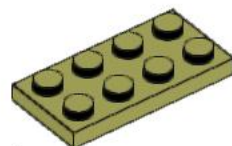
2x
3069b
Olive Green



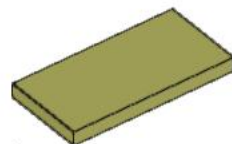
1x
3022
Olive Green



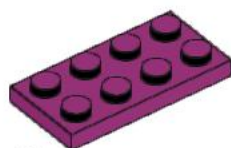
2x
63864
Olive Green



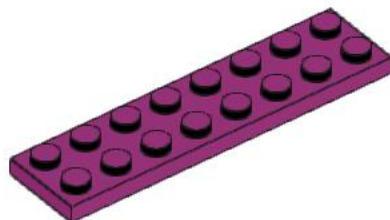
1x
3020
Olive Green



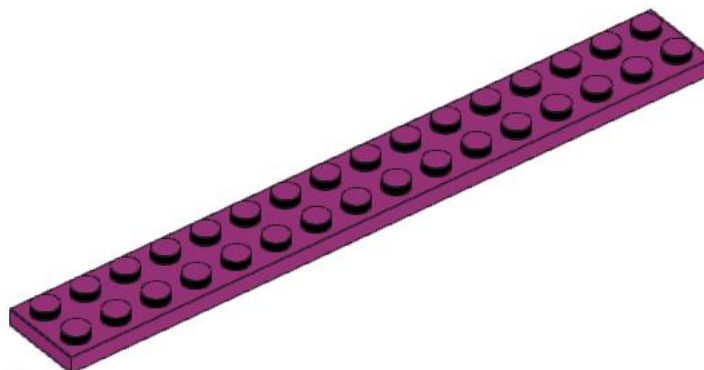
3x
87079
Olive Green



10x
3020
Magenta



3x
3034
Magenta



2x
4282
Magenta



42x
3023
Trans-Clear



1x
2654
Trans-Clear

Post 1998:

