

CURVED ROAD

By Mark Favreau

In HBM037, Jetro wrote that he hadn't found a satisfactory way to build a curved 90 degree road corner with square bricks. Yeah, square bricks, I don't know. But angled plates are a different matter. So here we are.

Using the old curved corner baseplate as a starting point, I put the basic design on graph paper and, given there are no acceptable curved plates or tiles of necessary radius, overlaid various wedge plate shapes to see how closely I could emulate the curve of the original.

As it turns out, you can get a fairly decent representation of the original curve. The outer edge can be created with 12x3, 6x4, and 4x4 wedge plates with a deviation of only about one stud. So far, so good.

There was no clear winning design with which to emulate the 6-stud radius of the original inner curve with plates, but there were options. Option one is the 6003 6x6 round corner plate, but it has a 4x4 curve, so the curve is sharper than the original and bites into the roadway a bit. Option two is the 6106 6x6 cut corner wedge plate which fills the space nicely, but is a little severe looking. Option three uses 2x3 wedge plates combined with a 2x2 and a 1x1 curved tile, yielding a rounded but kind of lumpy curve. Option four uses 2x4 wedge

plates and a 1x1 curved tile, yielding a sort of pointy corner.

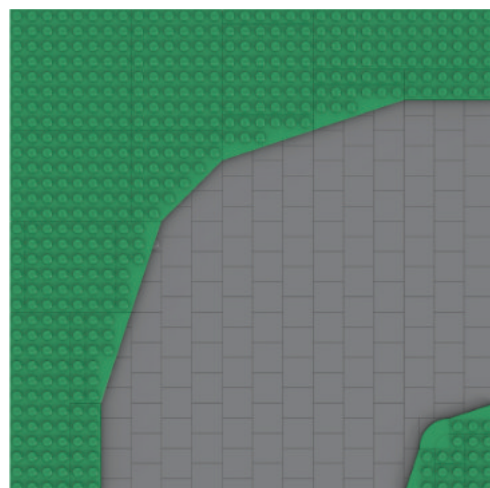
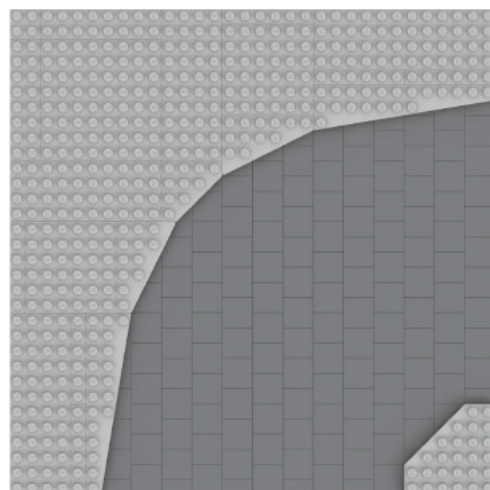
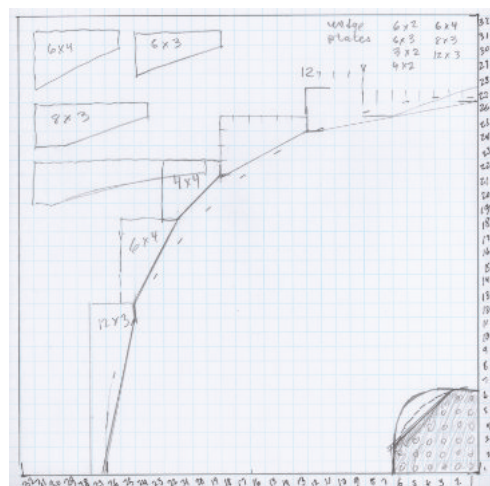
At this point there were designs that fell within the realm of acceptability, but were parts available in the colors we wanted? Green was the first choice as that would match what we had done for grass areas on our other MILS roads, and medium stone grey/light bluish gray (LBG) was the second choice as that would match the sidewalk/pavement/footpath areas.

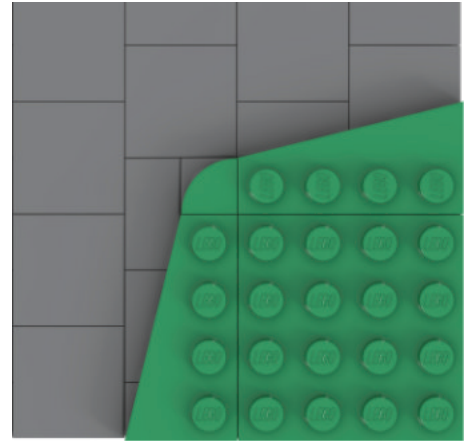
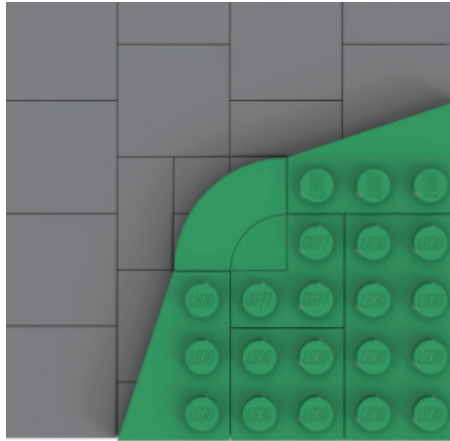
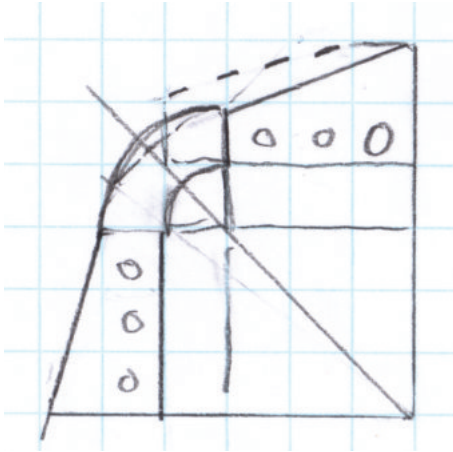
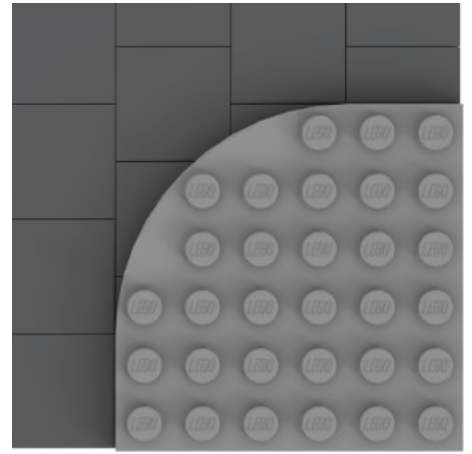
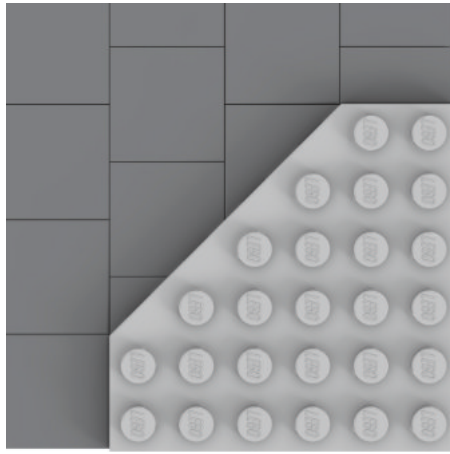
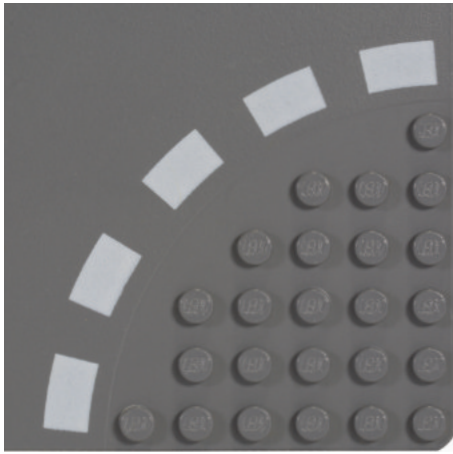
For the inner curve the answer was yes for all options; all parts were available in green and LBG. For the outer curve, all parts were available in LBG, but not in green. Or reddish brown. Or olive. Or lime. Or dark green, tan, dark tan, or sand green. And, so, back to the drawing board.

Redesigning the outer curve with available green wedge plates was possible using some 3x6 wedge plates and one 6x6 wedge plate. The arc of the curve was, however, somewhat less aesthetically pleasing.

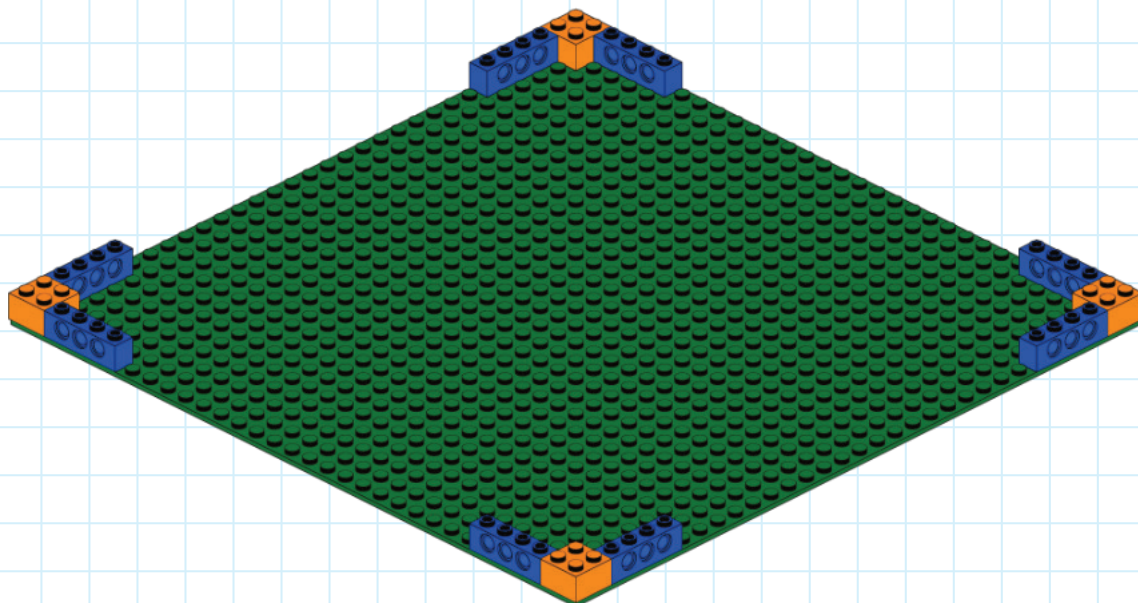
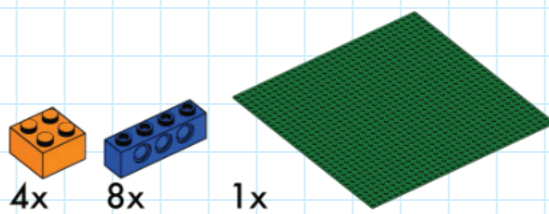
With a couple of viable solutions in hand, I walked the inevitable bugbear: decoration. "How are you going to get the line down the center of the road?"

"Stickers," I replied. "Stickers."

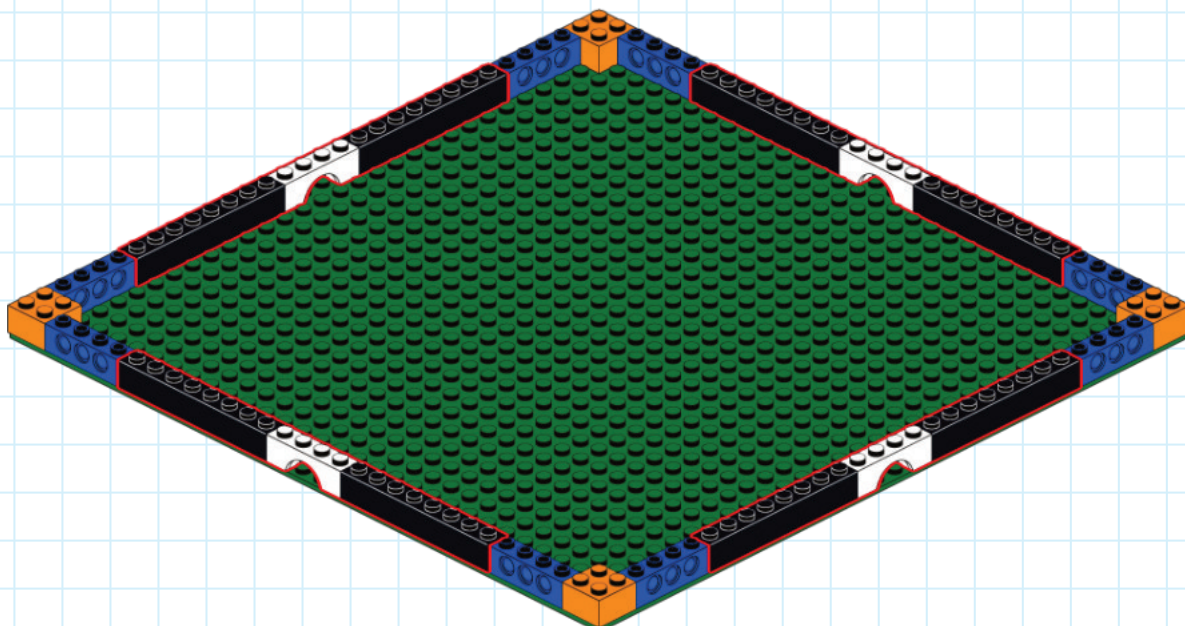
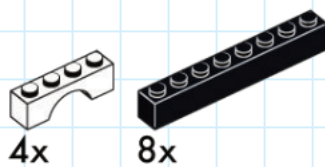




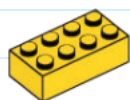
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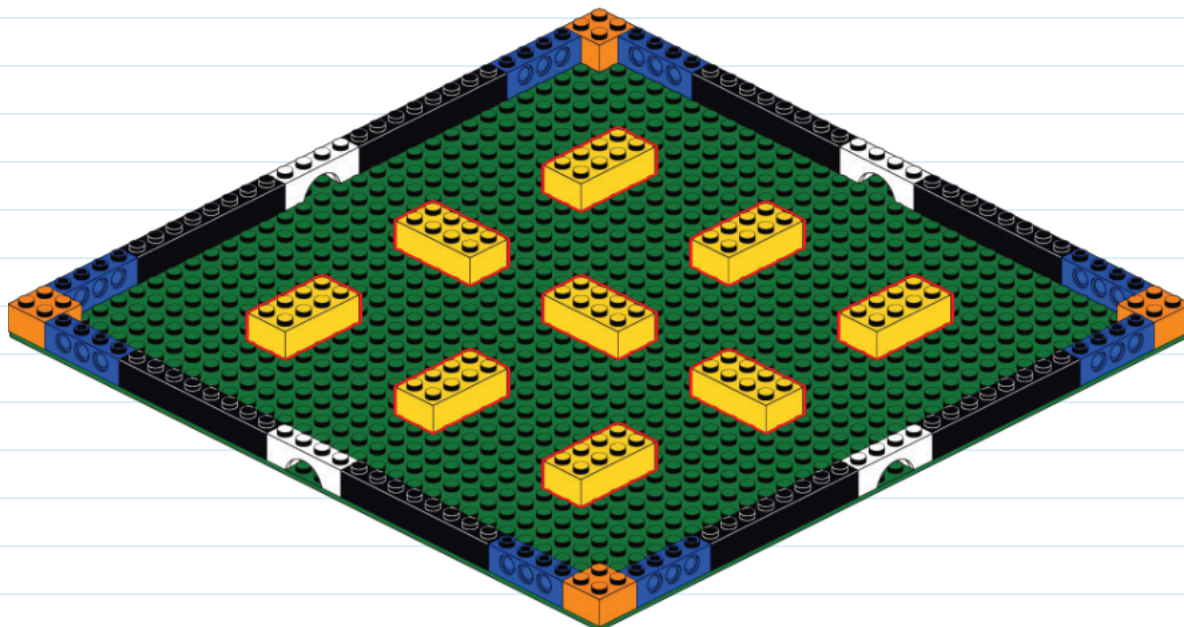
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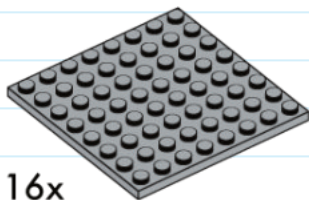
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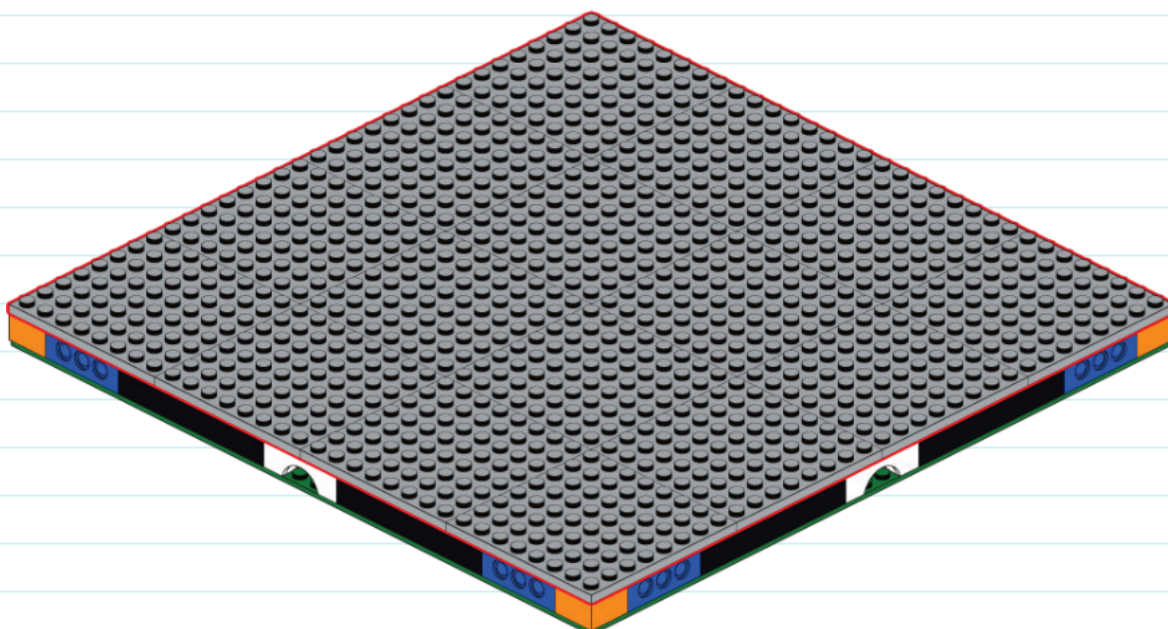
9x



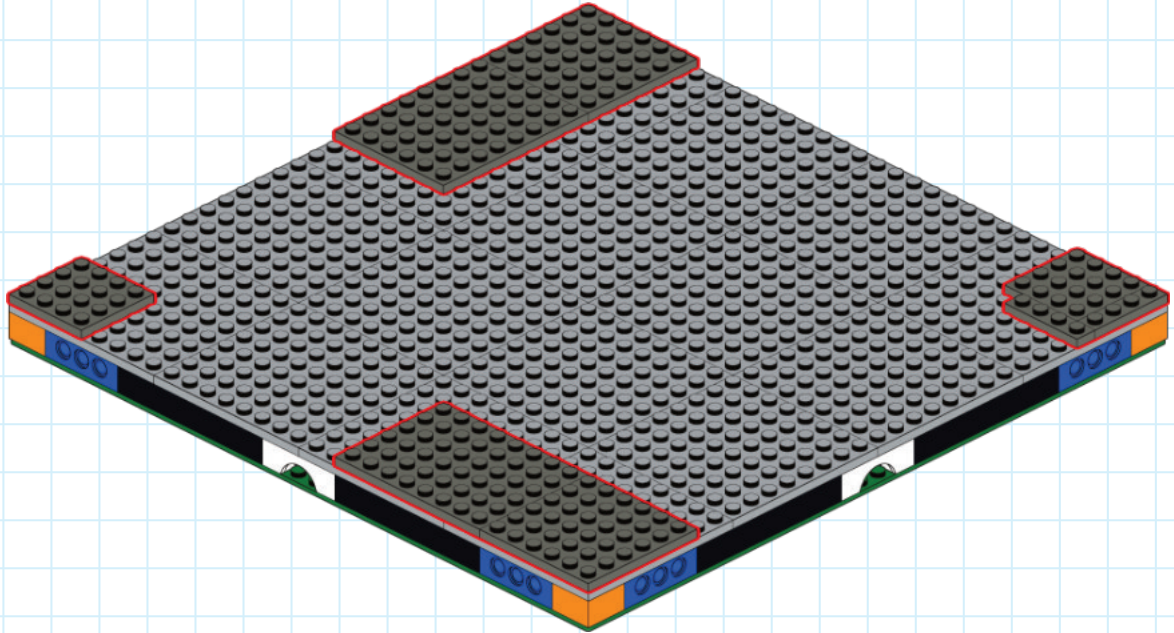
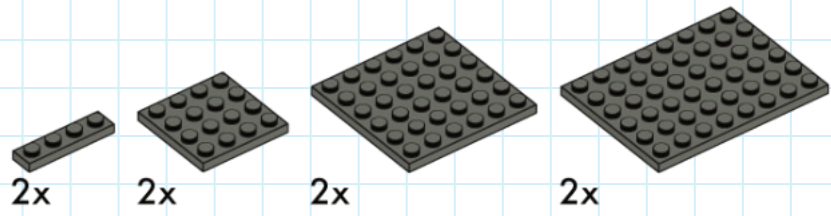
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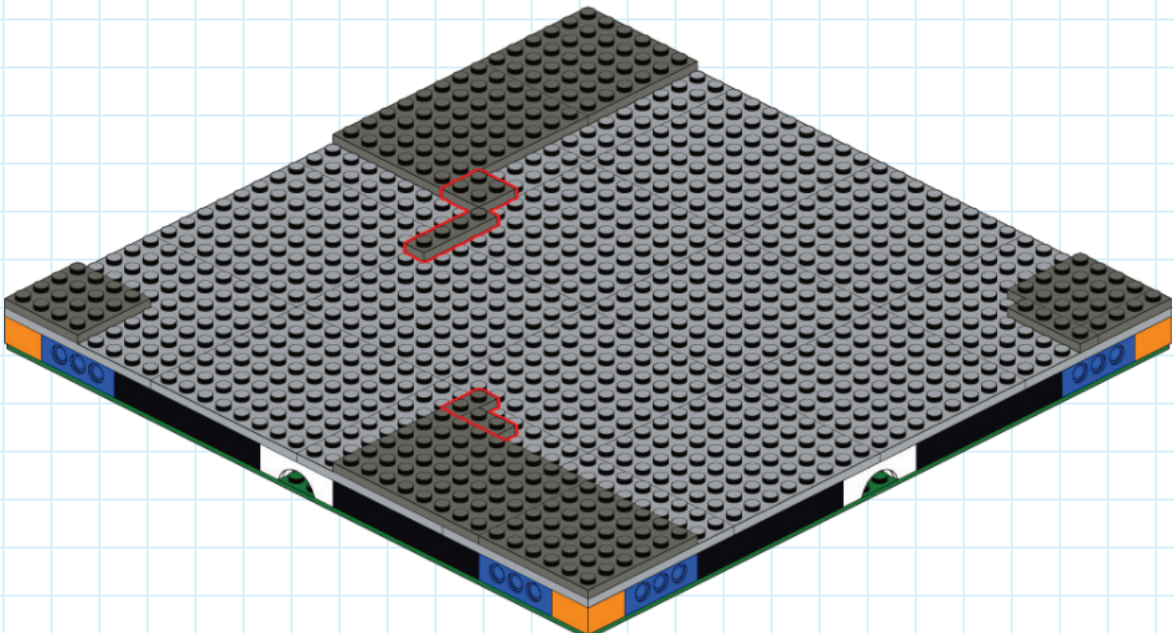
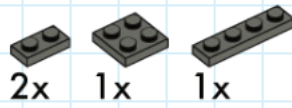
16x



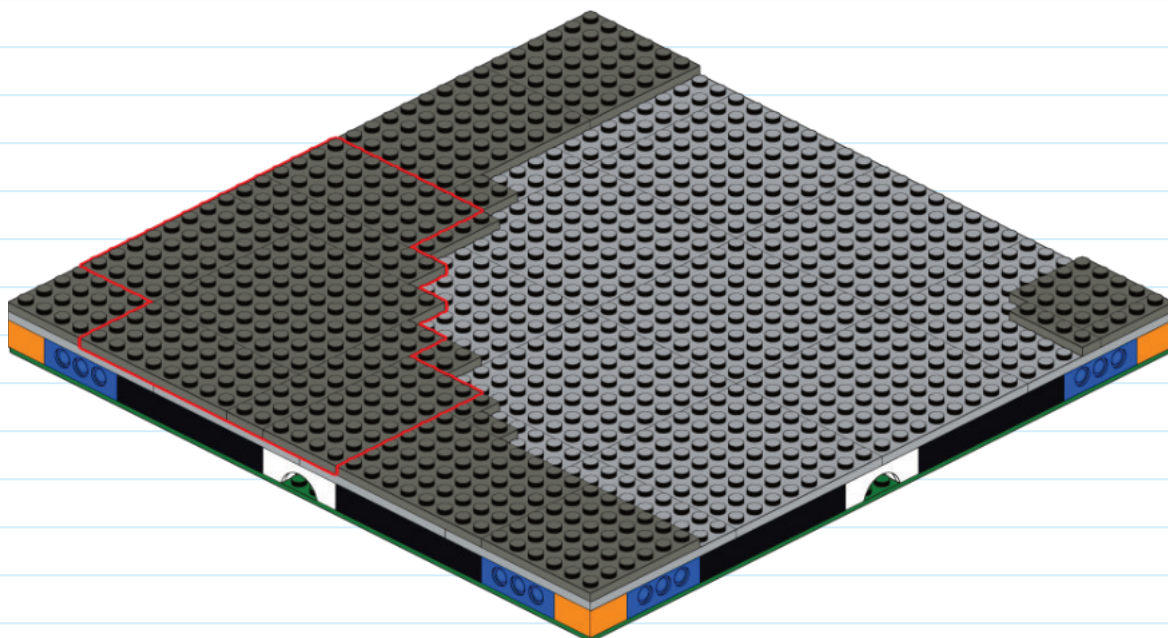
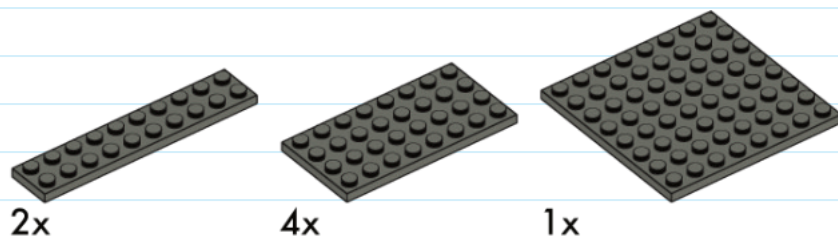
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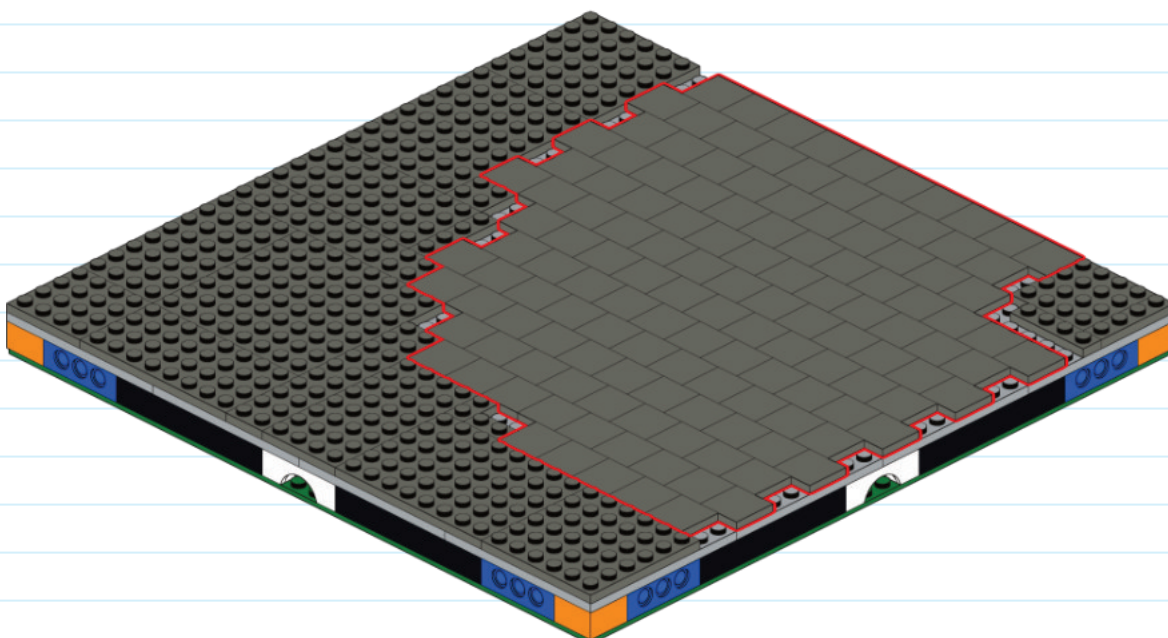
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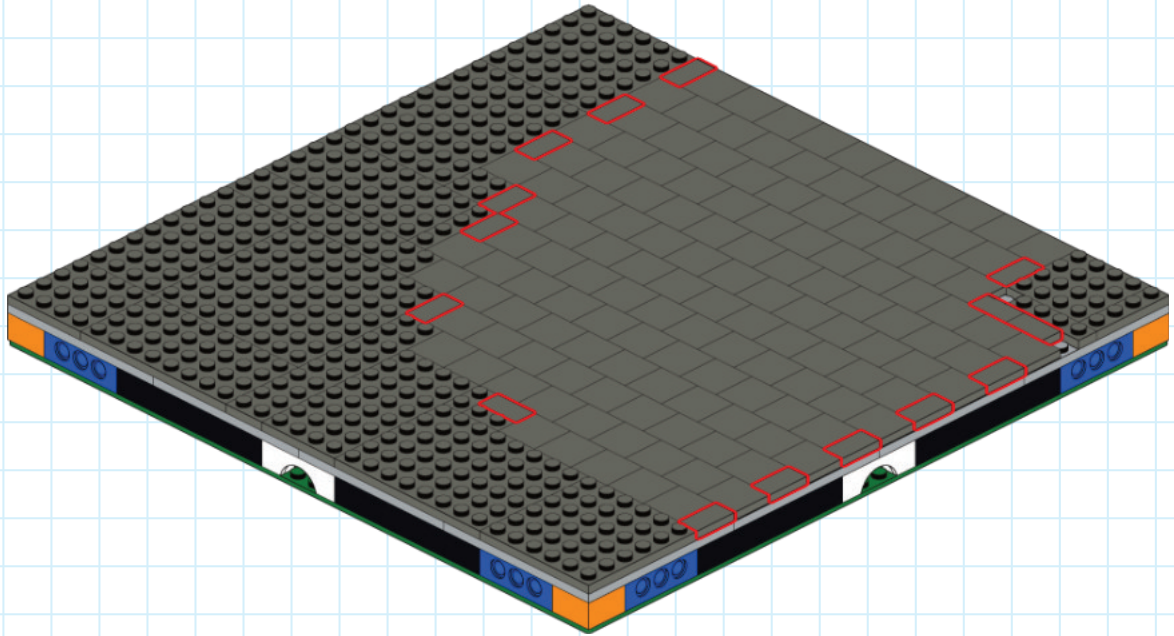


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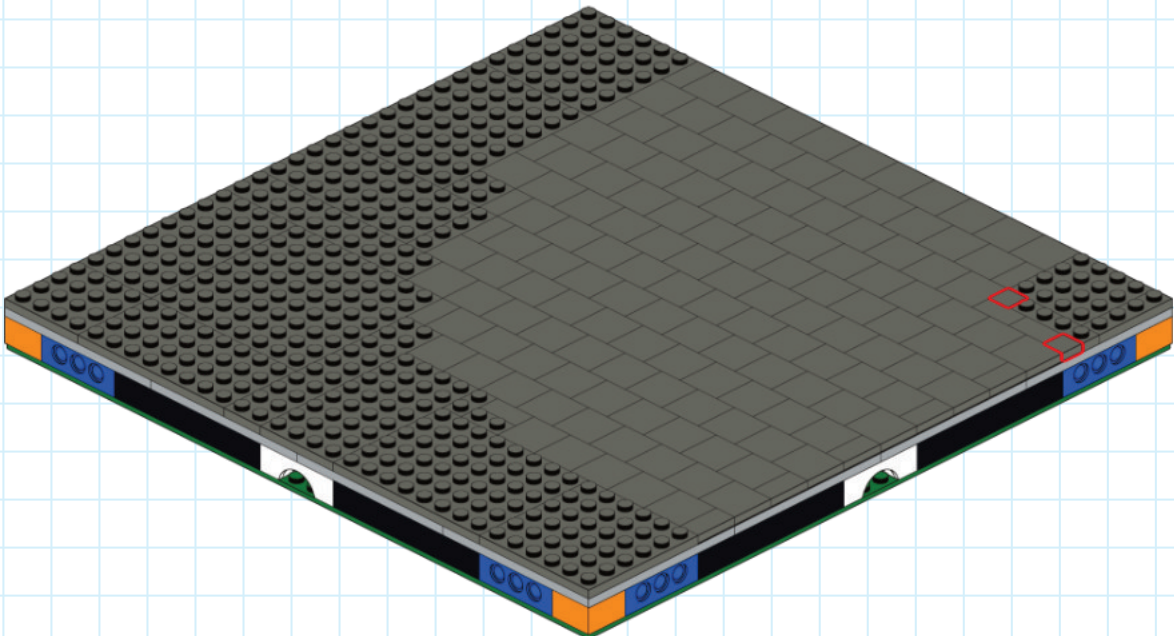
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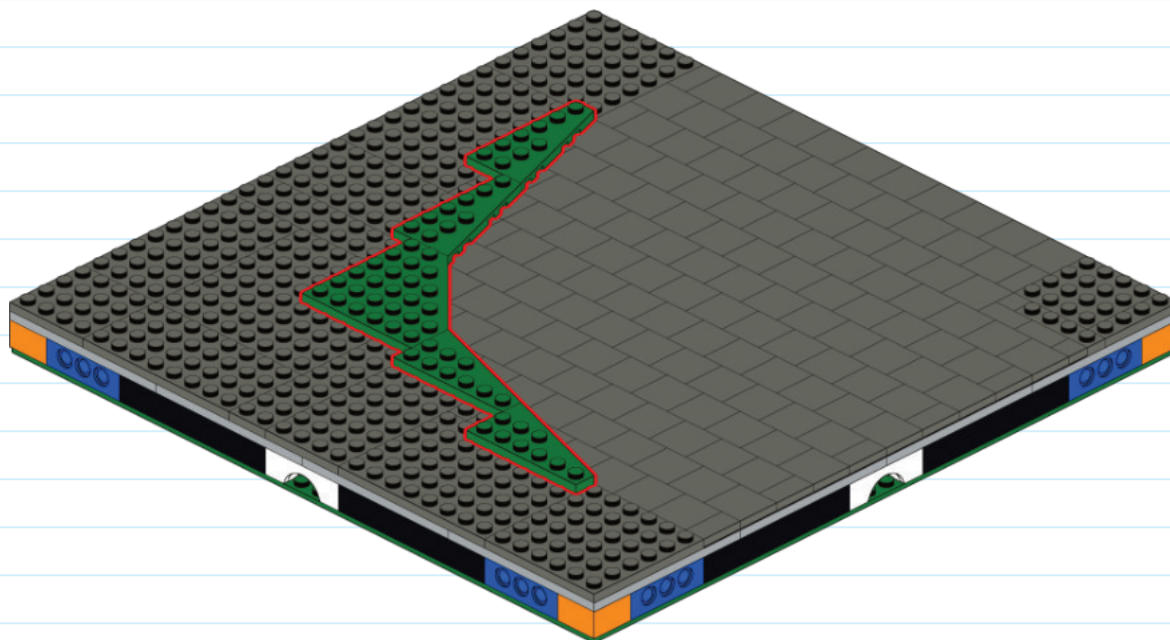
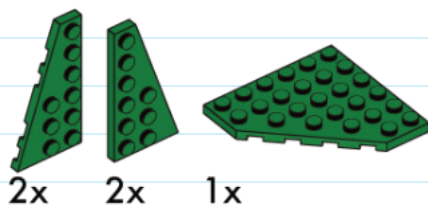


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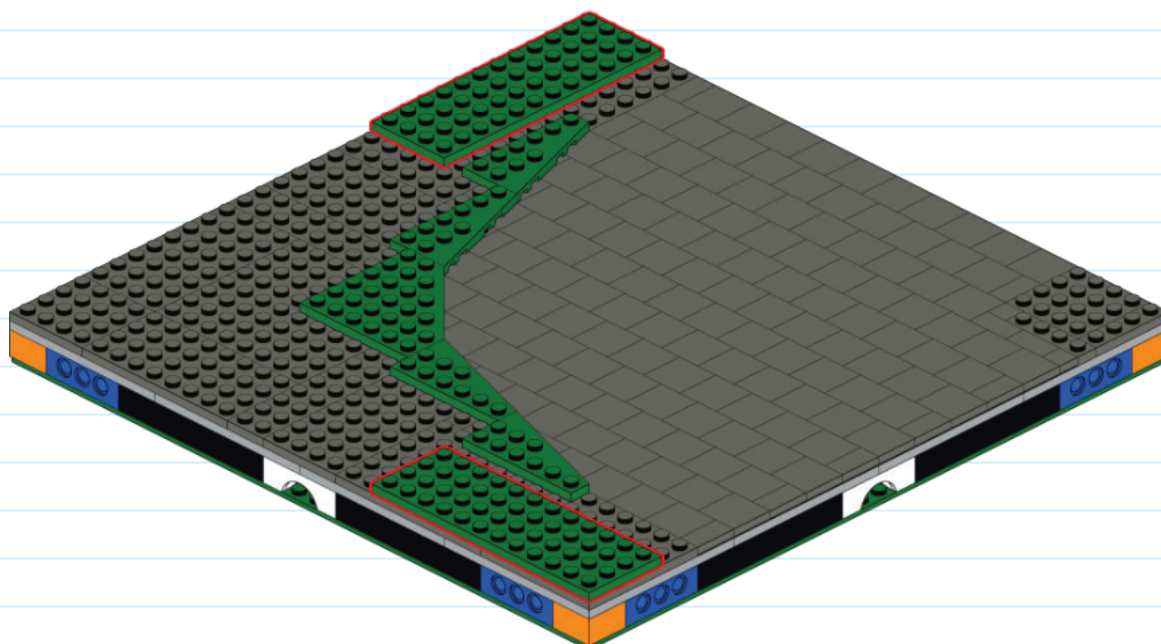
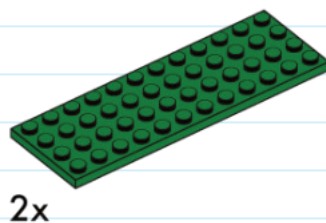

2x



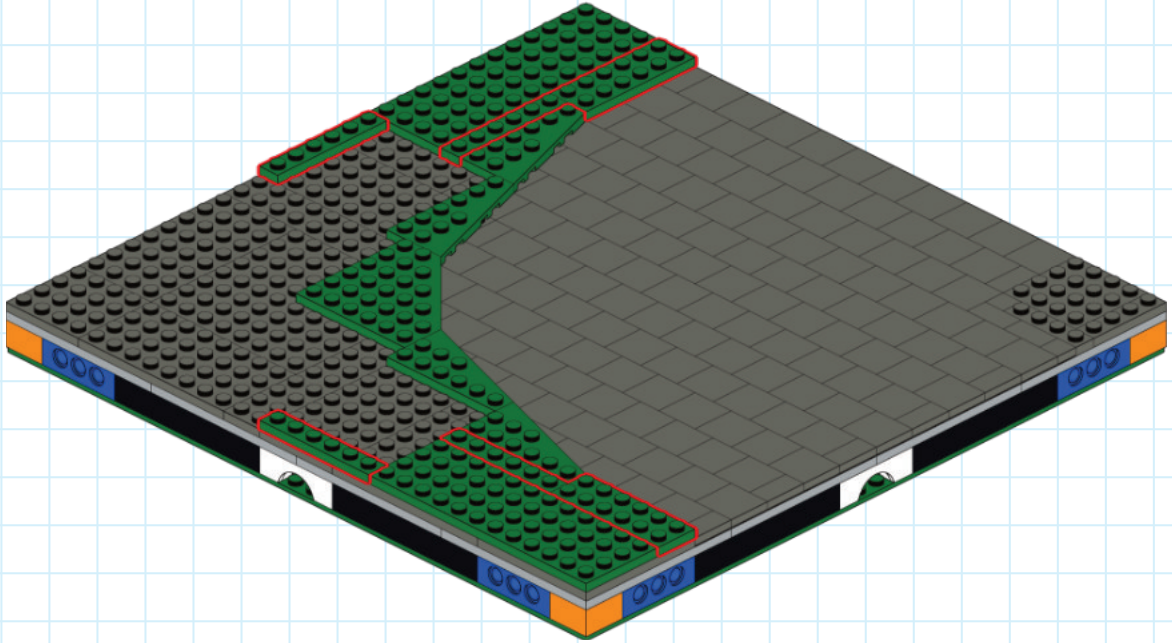
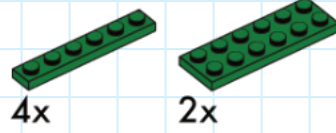
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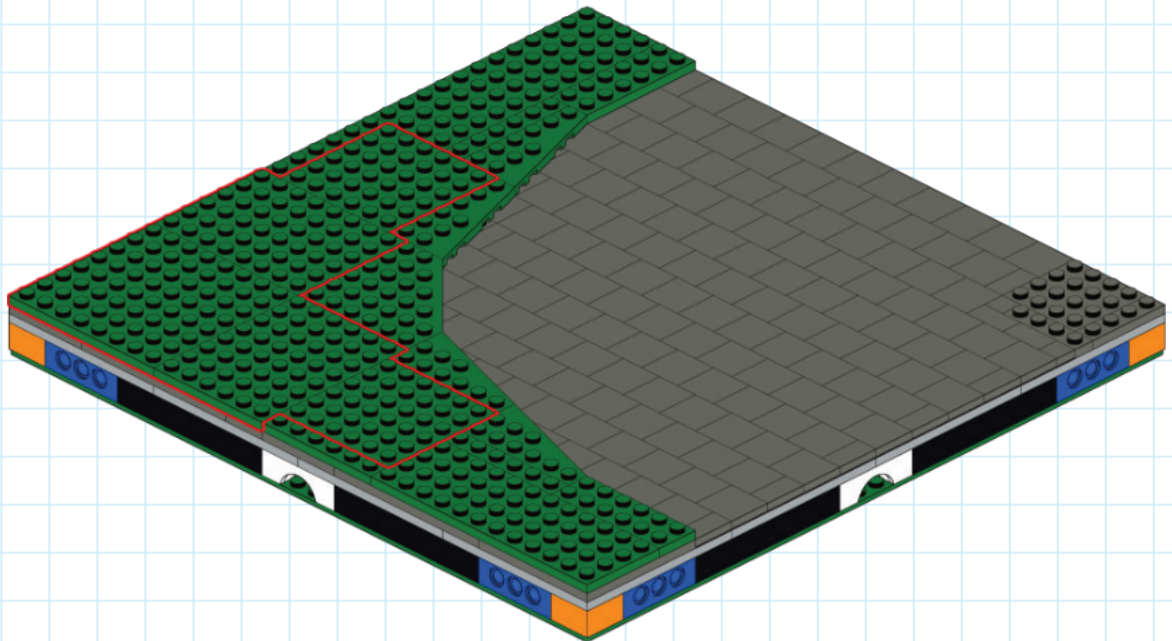
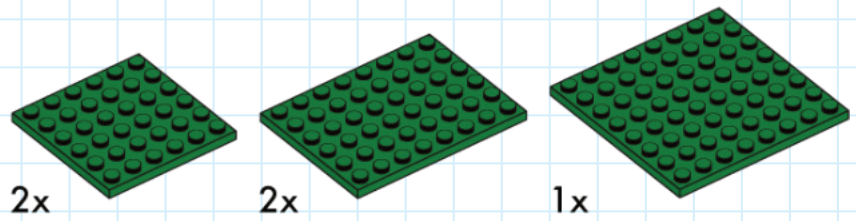
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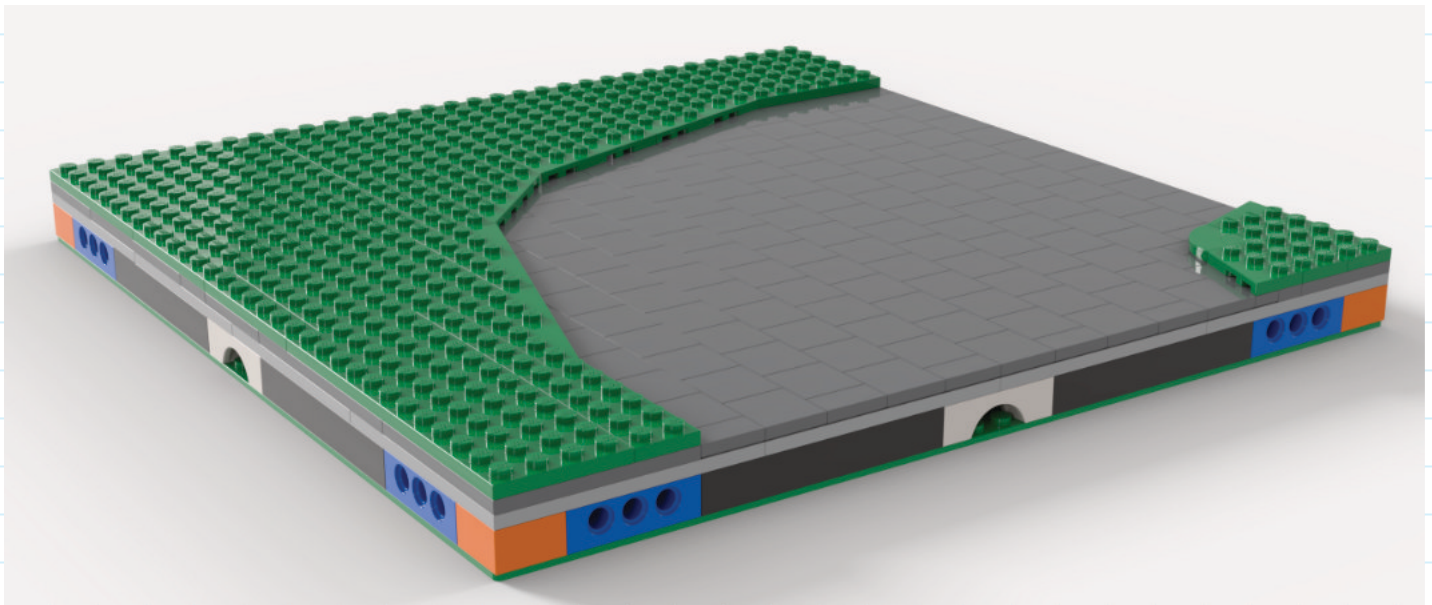
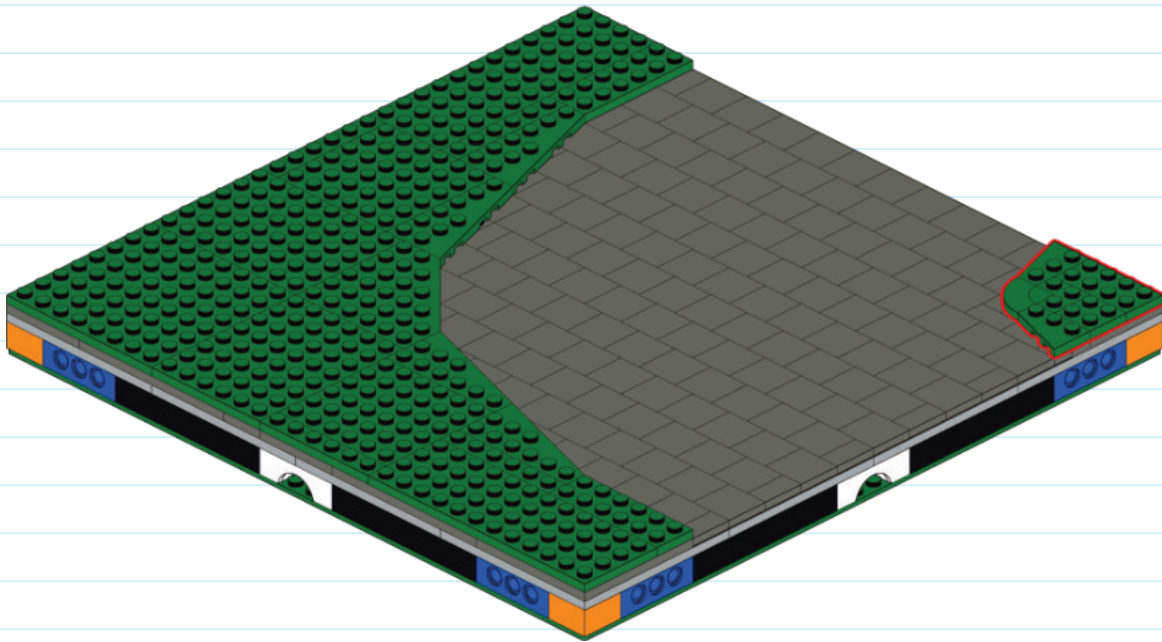
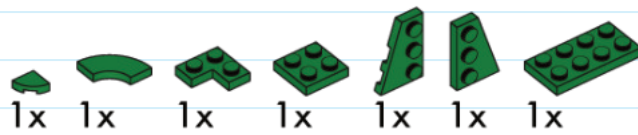
13



14



15



Parts List

1 32x32 baseplate
4 2x2 brick
8 1x4 technic brick
4 1x4 arch brick
8 1x8 brick
9 2x4 brick
2 1x2 plate
3 1x4 plate

4 1x6 plate, green
1 2x2 plate
1 2x2 plate, green
1 2x4 plate, green
2 2x6 plate, green
2 2x10 plate
2 4x4 plate
4 4x8 plate
2 4x12 plate, green

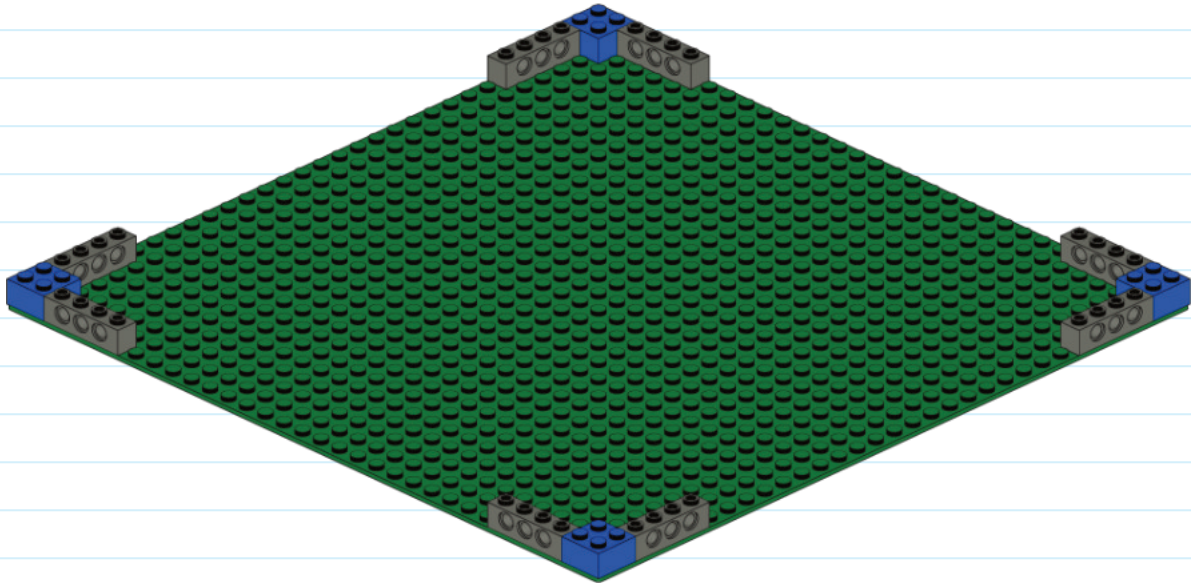
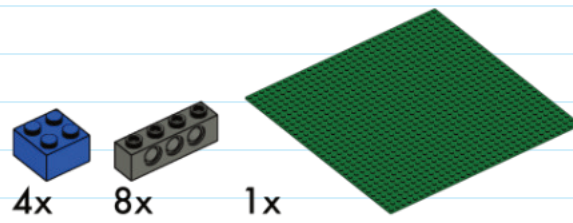
2 6x6 plate
2 6x6 plate, green
2 6x8 plate
2 6x8 plate, green
17 8x8 plate
1 8x8 plate, green
1 2x2 corner plate, green
1 2x3 wedge plate left, green
1 2x3 wedge plate right, green

2 3x6 wedge plate left, green
2 3x6 wedge plate right, green
1 6x6 wedge plate, green
2 1x1 tile, dbg
15 1x2 tile, dbg
139 2x2 tile, dbg
1 1x1 tile round corner, green
1 2x2 tile round corner, green

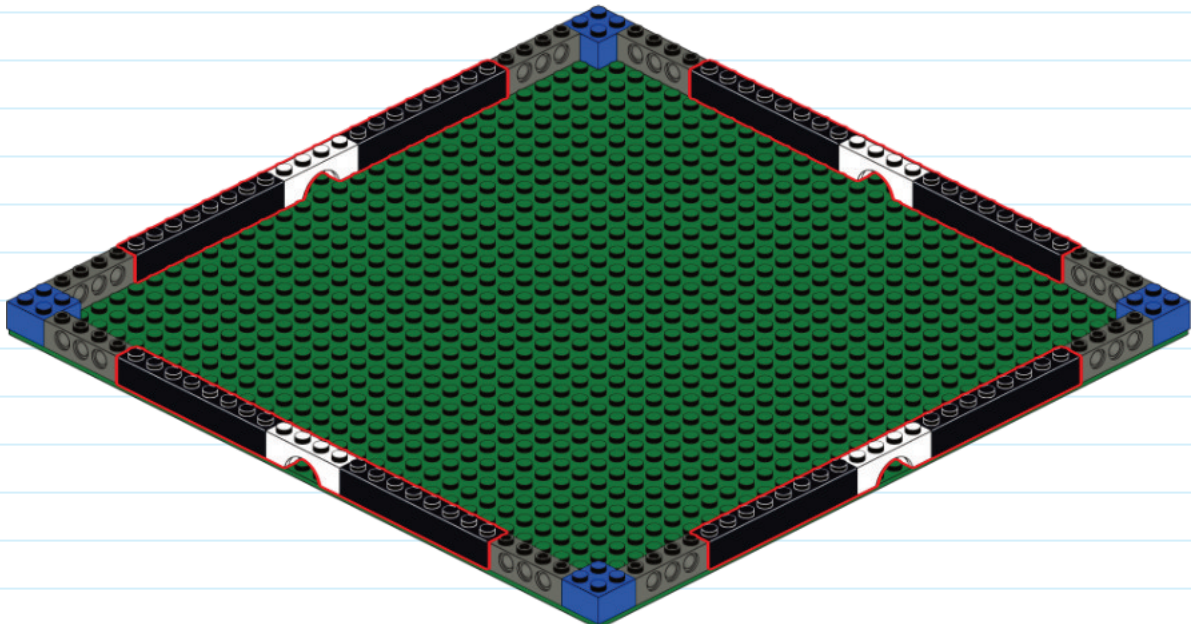
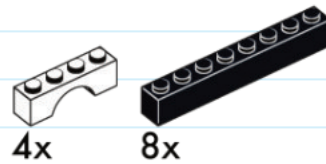
250 parts in 35 lots



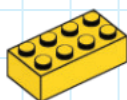
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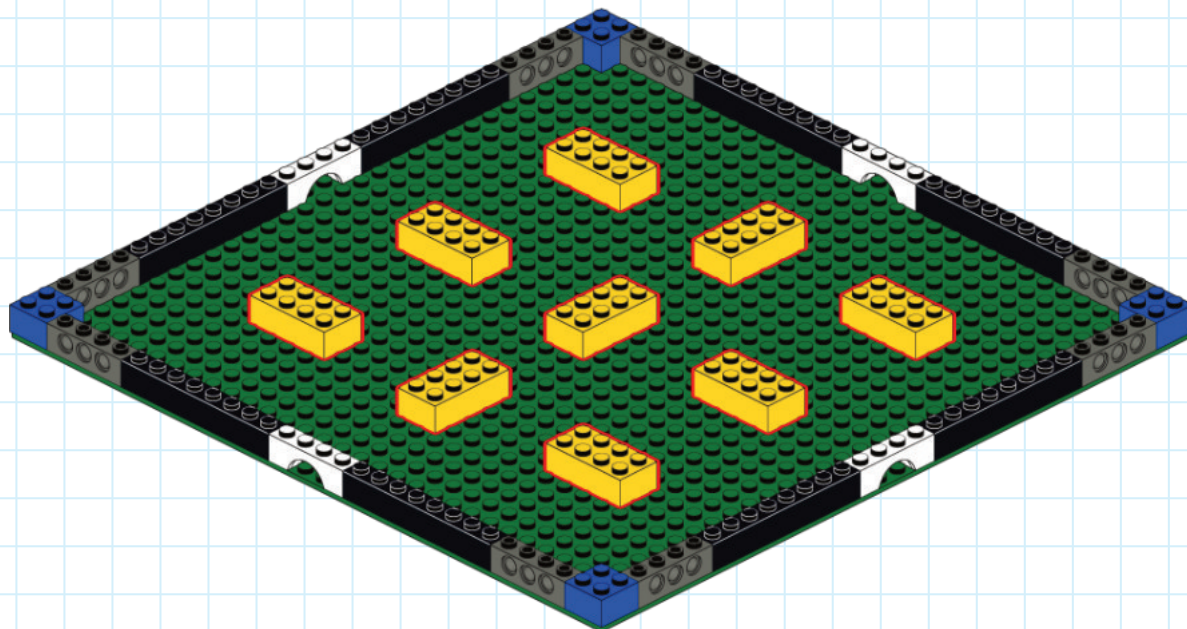
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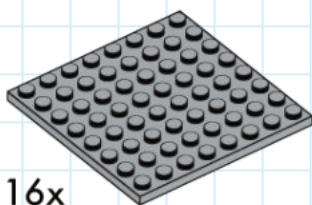
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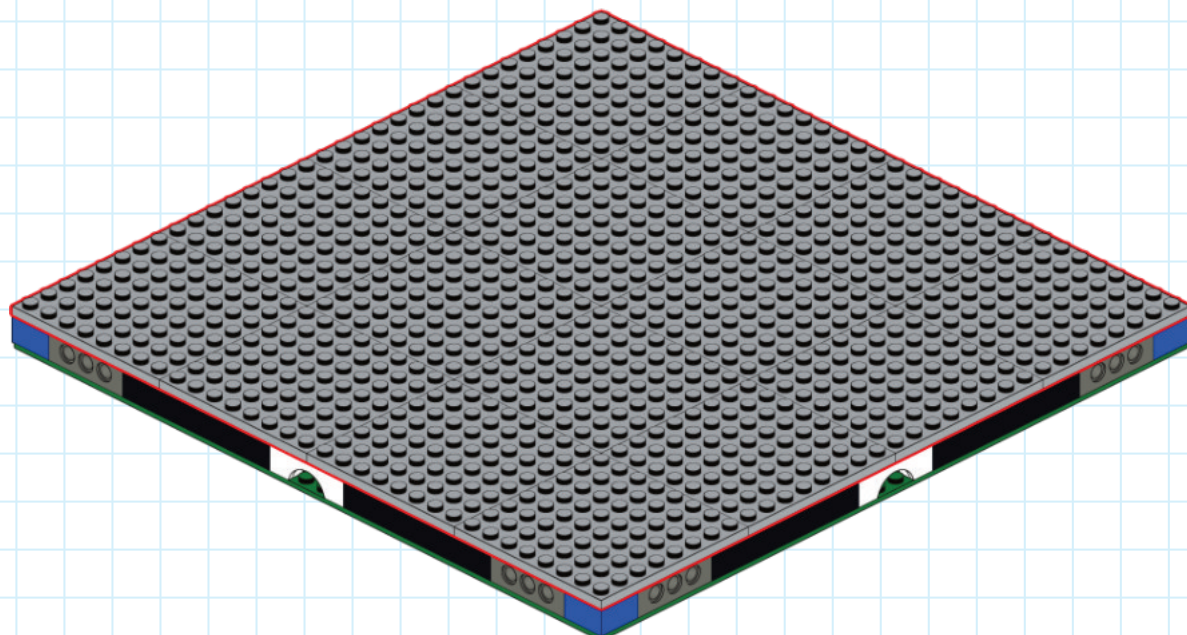
9x



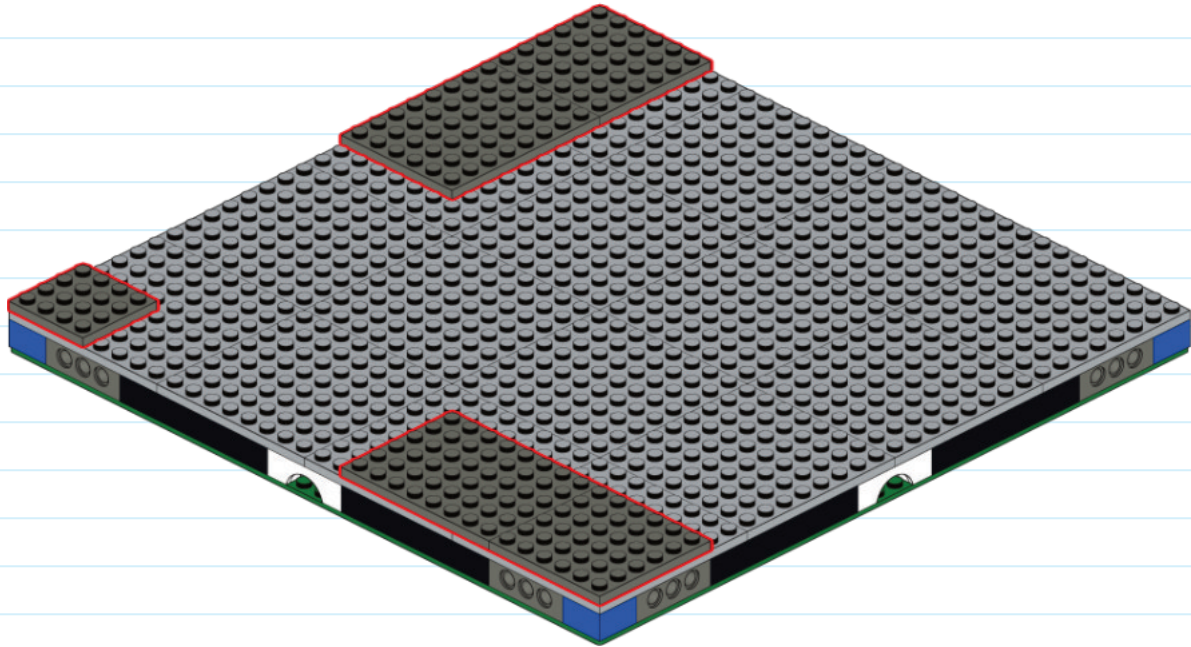
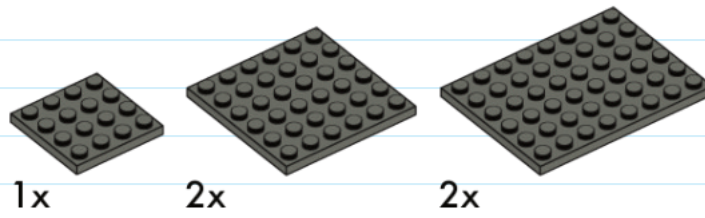
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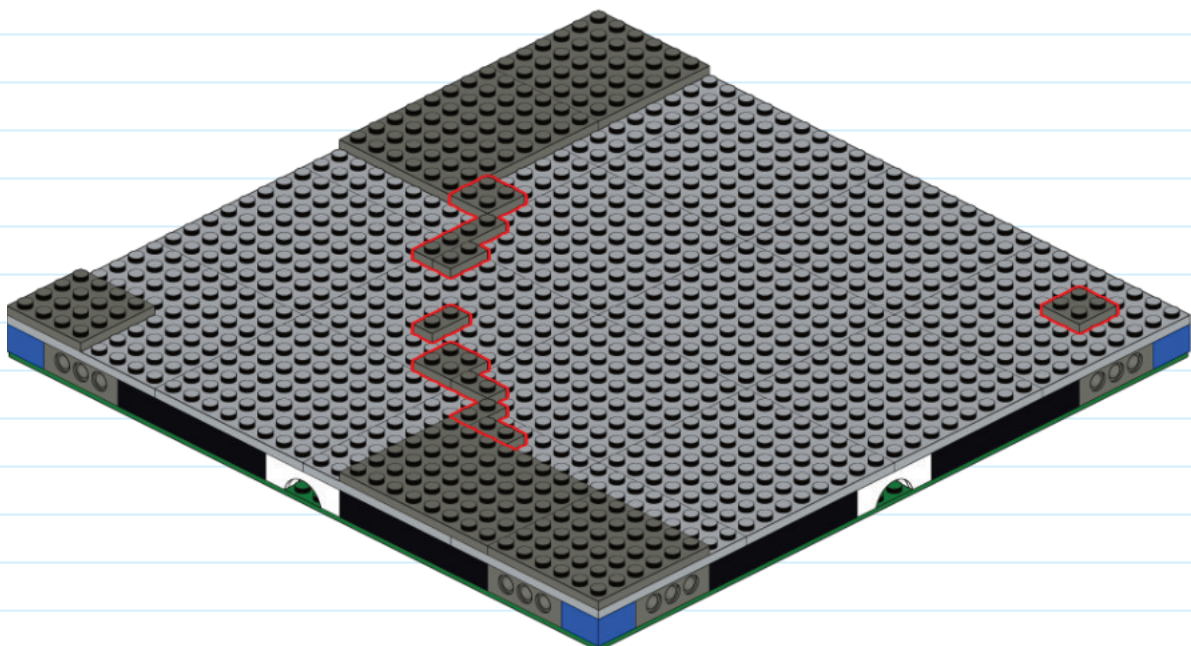
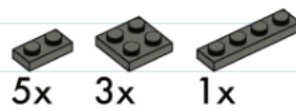
16x



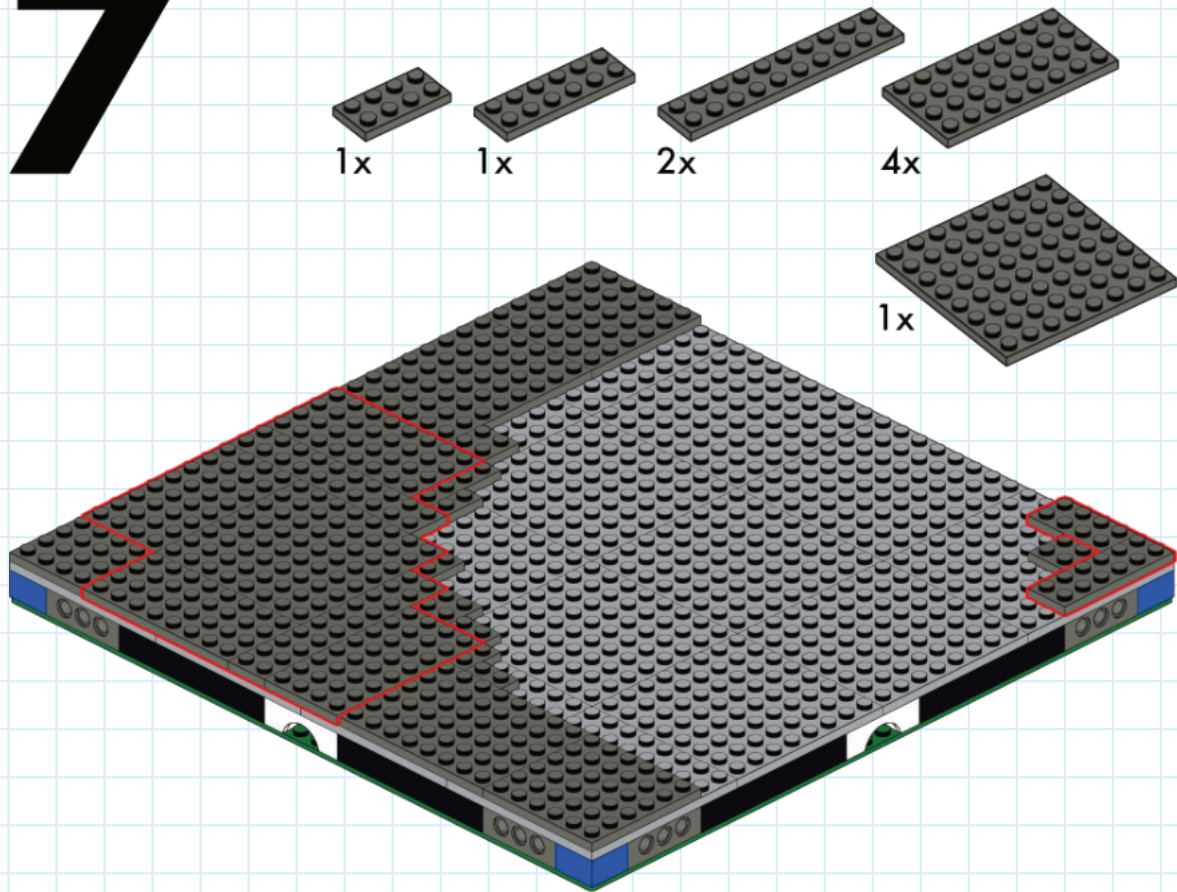
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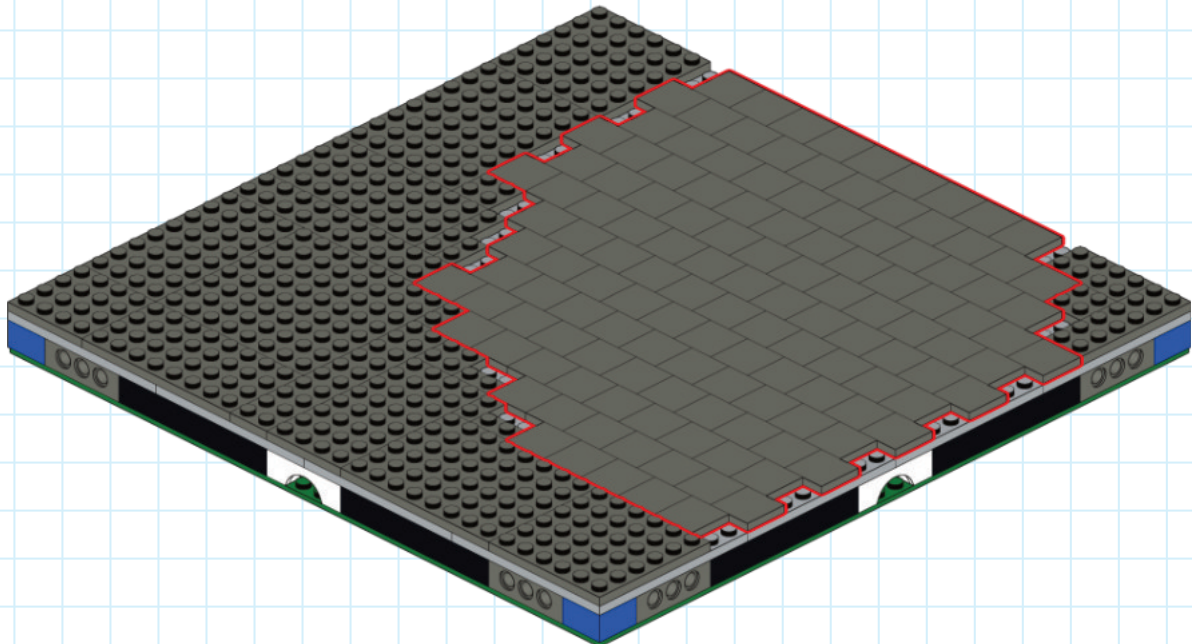


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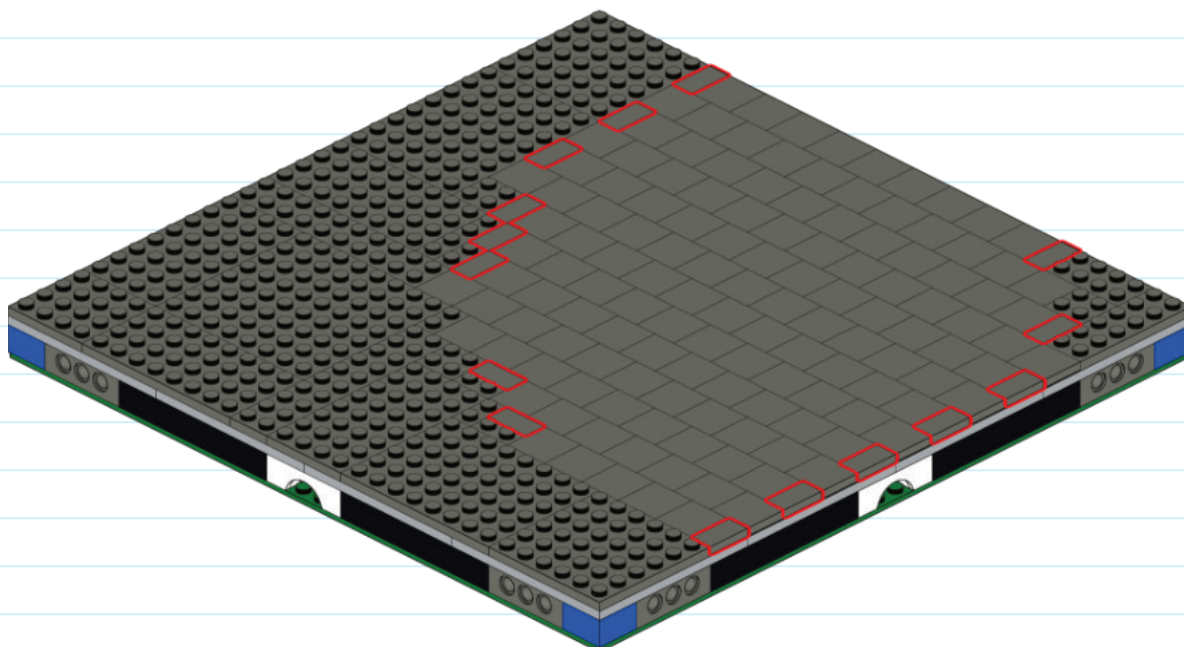


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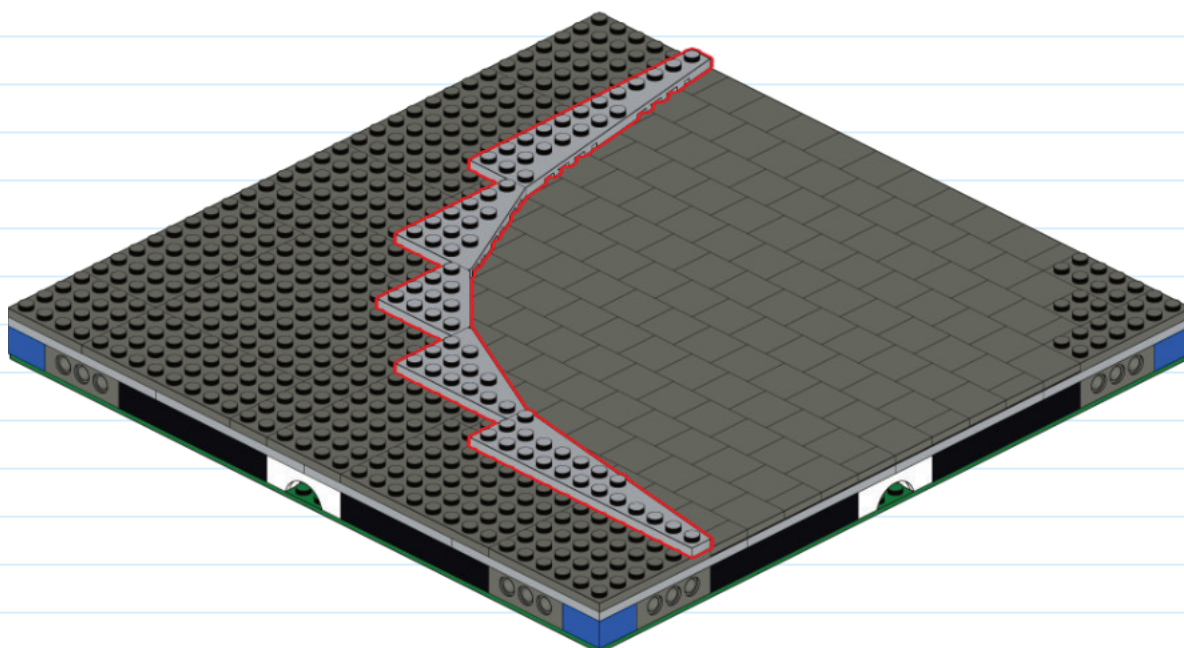
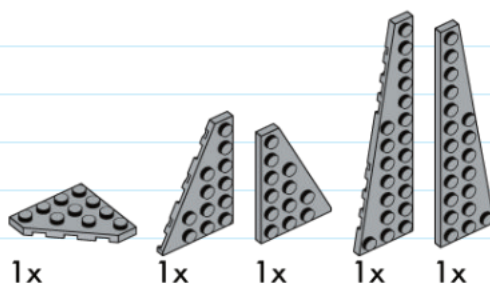
137x



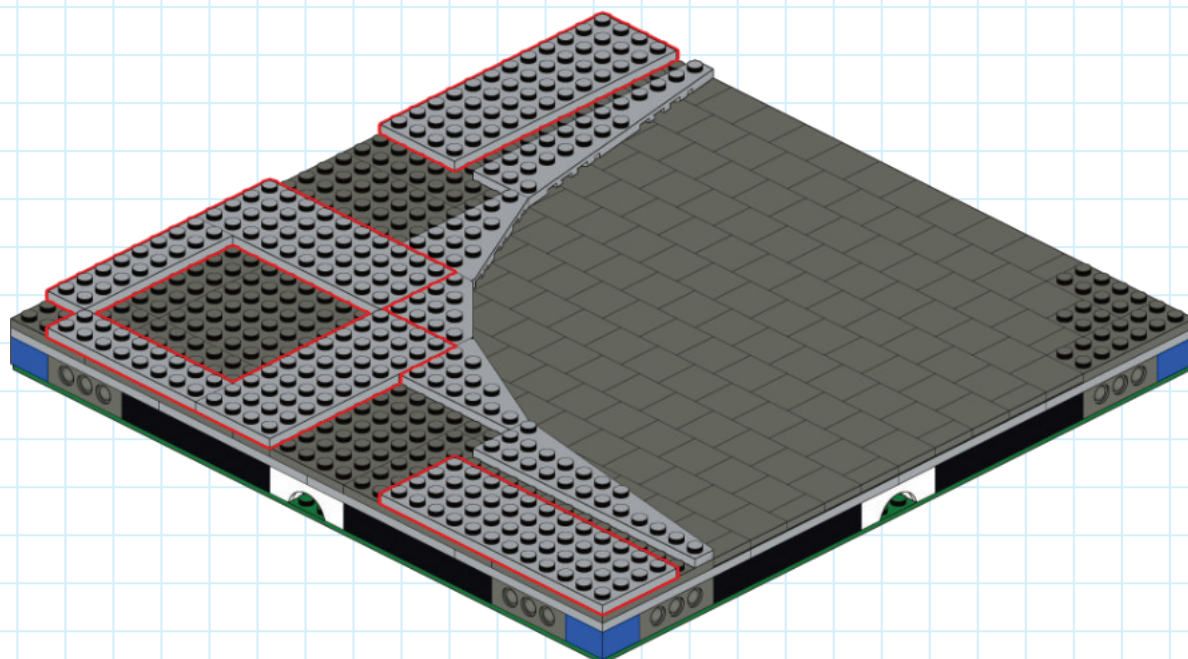
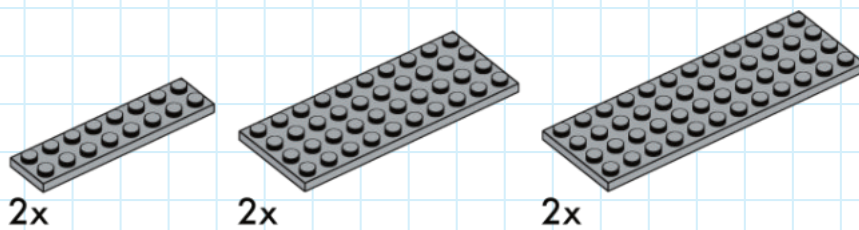
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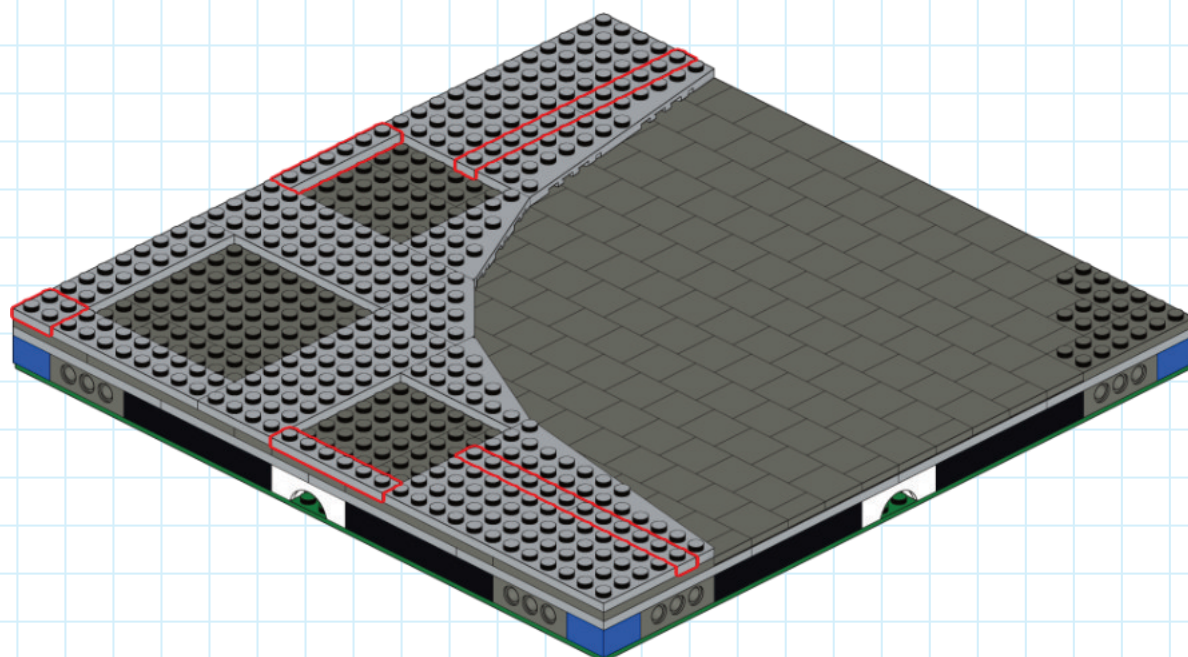
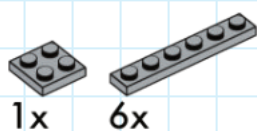
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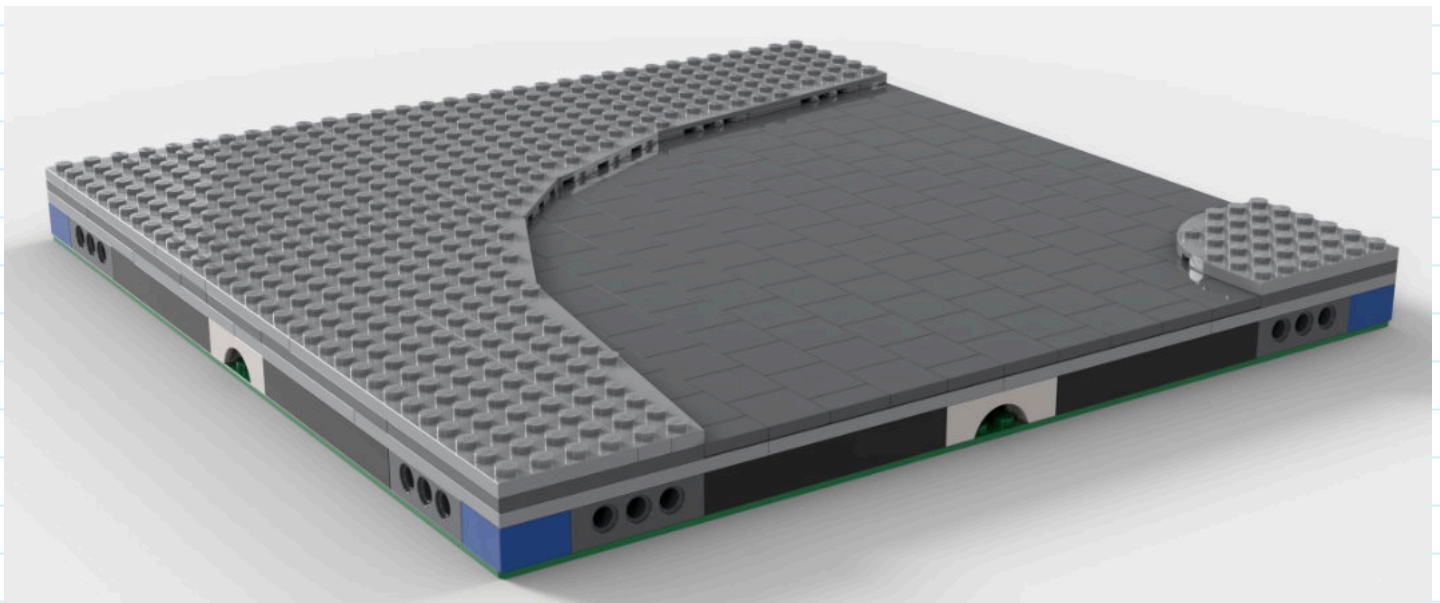
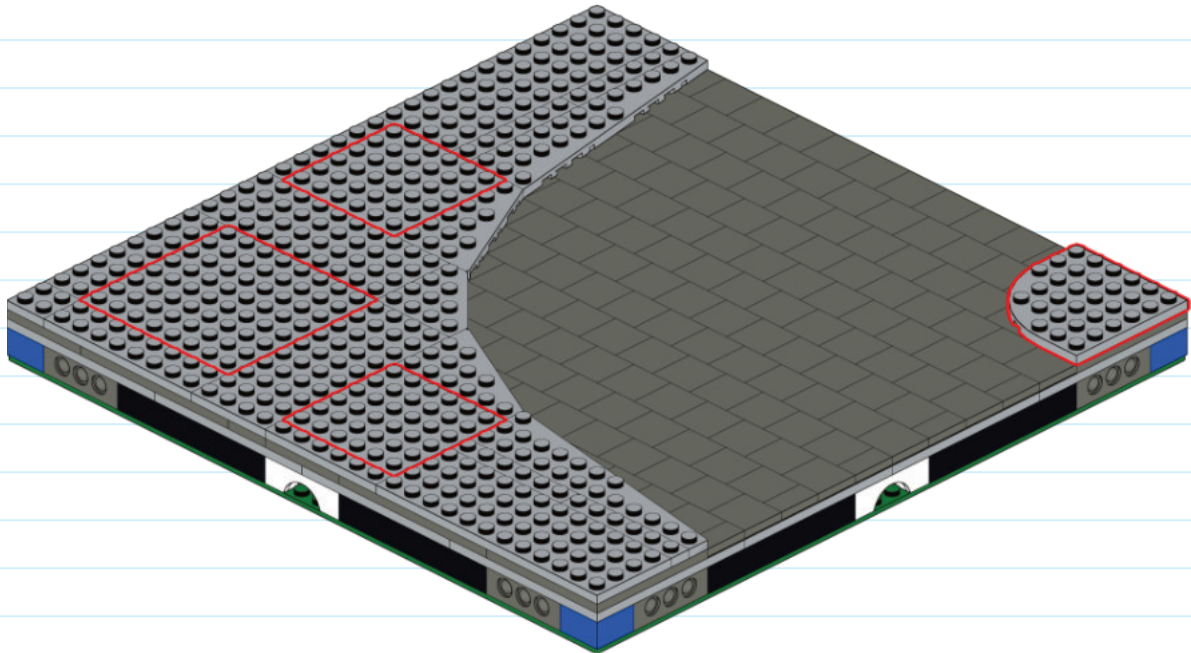
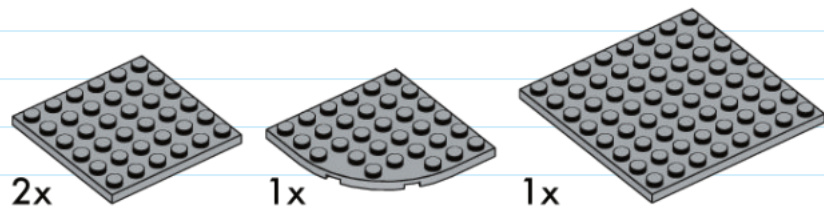
11



12



13



Parts List

1 32x32 baseplate	6 1x6 plate, lbg	2 4x10 plate, lbg	1 3x12 wedge plate right, lbg
4 2x2 brick	3 2x2 plate	2 4x12 plate, lbg	1 4x4 wedge plate, lbg
8 1x4 technic brick	1 2x2 plate, lbg	2 6x6 plate	1 4x6 wedge plate left, lbg
4 1x4 arch brick	1 2x4 plate	2 6x6 plate, lbg	1 4x6 wedge plate right, lbg
8 1x8 brick	1 2x6 plate	1 6x6 plate, round corner, lbg	15 1x2 tile, dbg
9 2x4 brick	2 2x8 plate, lbg	2 6x8 plate	137 2x2 tile, dbg
1 1x4 plate	2 2x10 plate	17 8x8 plate	247 parts in 32 lots
5 1x2 plate	1 4x4 plate	1 8x8 plate, lbg	
	4 4x8 plate	1 3x12 wedge plate left, lbg	