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(12) **United States Design Patent** (10) **Patent No.:** **US D917,070 S**  
**Seo et al.** (45) **Date of Patent:** **\*\* Apr. 20, 2021**

(54) **DOOR WITH A DOOR LOCK**  
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(57) **CLAIM**

The ornamental design for a door with a door lock, as shown and described.

**DESCRIPTION**

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

1. Door with a door lock
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Back
- 1.4 : Left
- 1.5 : Right
- 1.6 : Top
- 1.7 : Bottom
- 1.8 : Back perspective view
- 1.9 : Reference view
- 1.10 : Reference view 2
- 1.11 : Perspective view 2
- 1.12 : Front view 2
- 1.13 : Back view 2
- 1.14 : Left view 2
- 1.15 : Right view 2
- 1.16 : Top view 2
- 1.17 : Bottom view 2

(\*\*) Term: **15 Years**

(21) Appl. No.: **35/508,315**

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(80) **Hague Agreement Data**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** ..... **25-02**

(52) **U.S. Cl.**  
USPC ..... **D25/48.3**

(58) **Field of Classification Search**  
USPC ..... D25/48.3; D8/330, 332, 338, 341, 343;  
D14/336, 383; D13/184

(Continued)

(56) **References Cited**

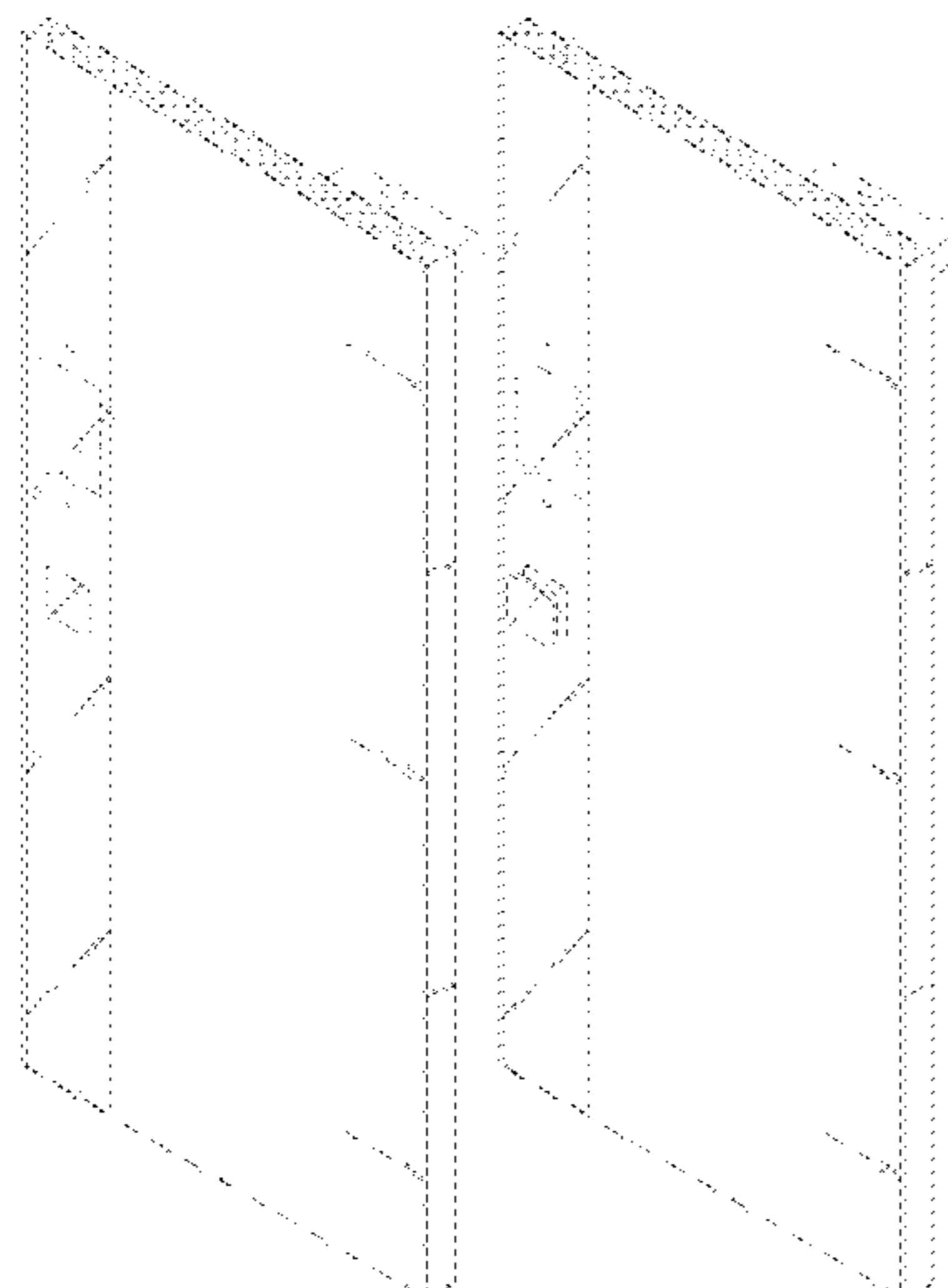
**U.S. PATENT DOCUMENTS**

7,999,690 B1 \* 8/2011 Shilts ..... E05D 11/00  
340/666

9,626,814 B2 \* 4/2017 Eyring ..... H04M 11/02  
(Continued)

The broken lines that form no part of the claimed designs which depict portions of a door with a door lock that form no part of the claimed design; reproductions 1.1 to 1.8 are views of the door with a door lock, in the state of the handle has been hidden; reproductions 1.9 and 1.10 are views showing the use states; reproductions 1.11 to 1.17 are views thereof in a condition that the handle has been protruded; this is a design for a door with a door lock; as shown in reproduction 1.9, when the user approaches, the infrared camera and the proximity sensor on the front recognize the face, and the hidden handle automatically protrudes and the door can be opened; as shown in reproduction 1.10, there is a large display on the back, and when the user approaches, various information such as the weather is provided.

**1 Claim, 17 Drawing Sheets**



(58) **Field of Classification Search**

CPC .. H04N 7/186; G08B 13/08; G08B 13/19602;  
G08B 13/19617; H04M 11/025; G07C  
2209/04; G07C 2209/64; G07C 9/00309;  
G07C 9/00896; G07C 9/22

See application file for complete search history.

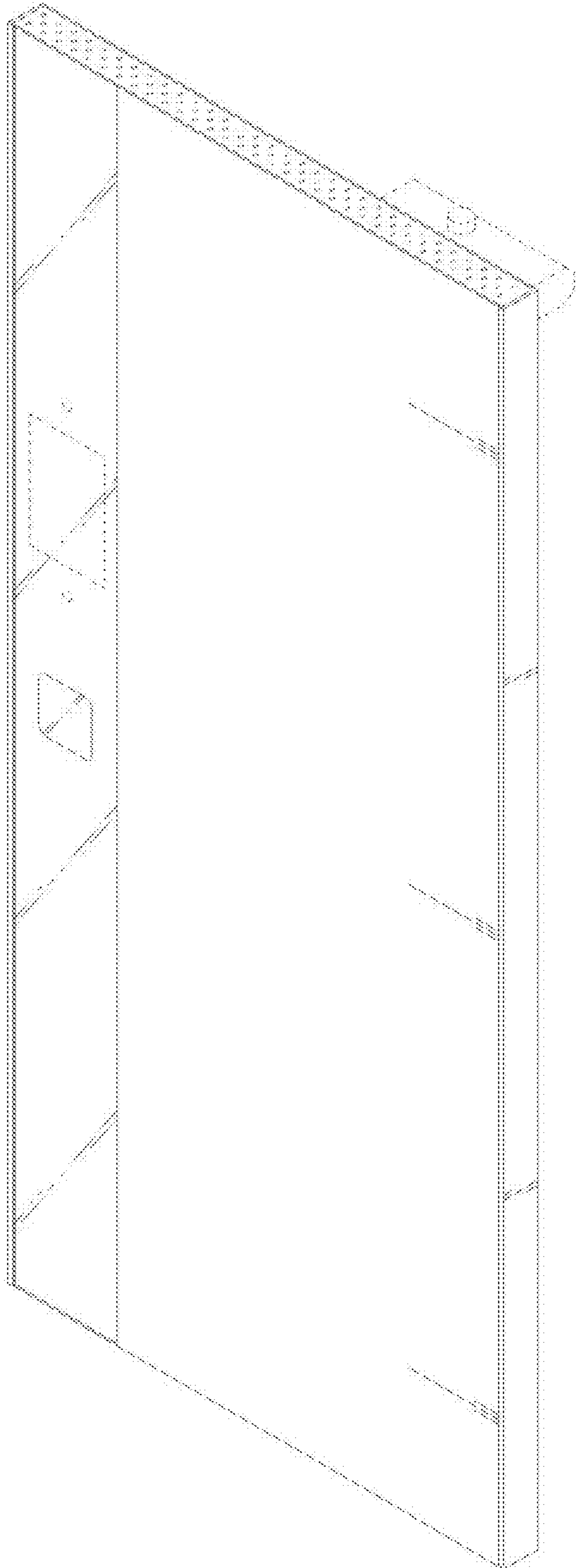
(56) **References Cited**

U.S. PATENT DOCUMENTS

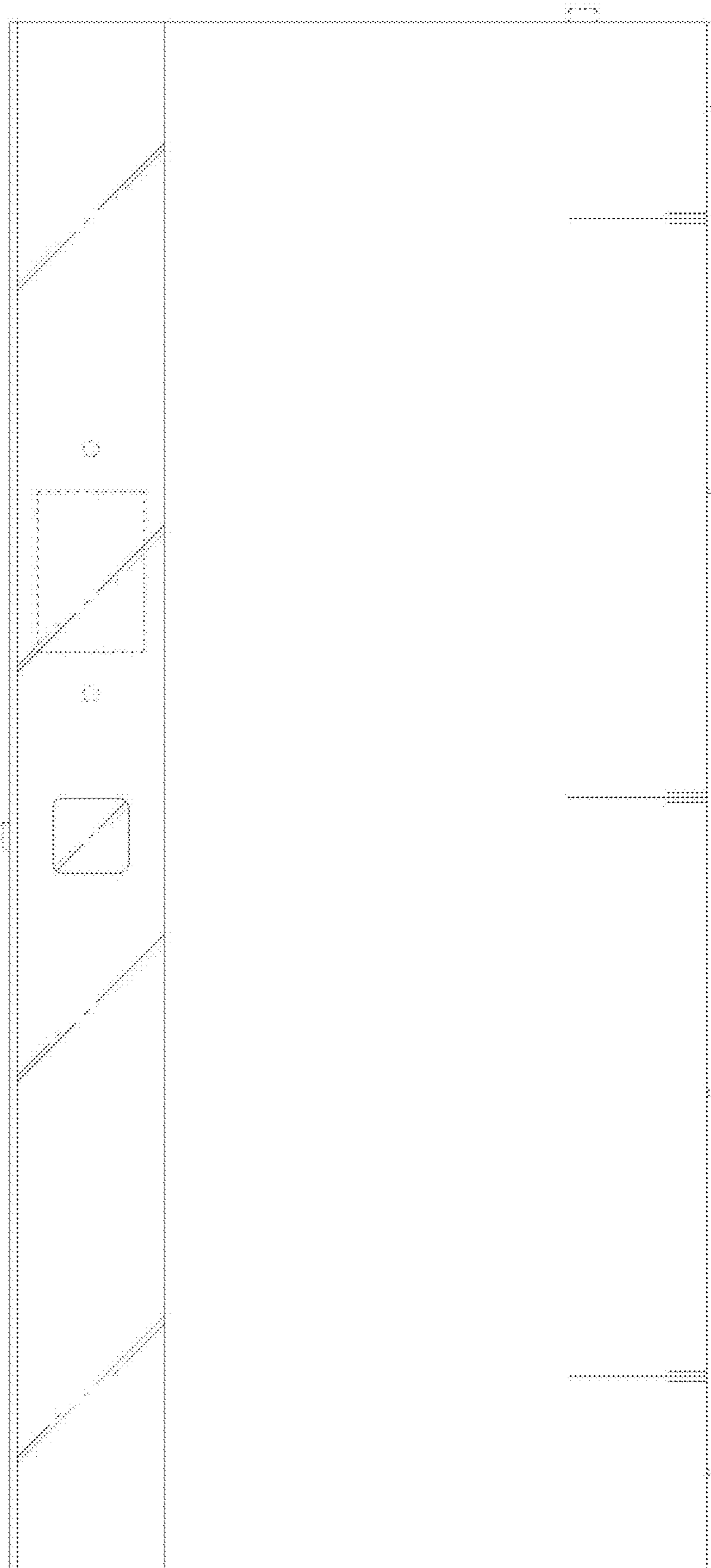
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D788,603	S *	6/2017	Liu .....	D10/49
9,830,790	B2 *	11/2017	Jones .....	G08B 13/19617
10,530,039	B1 *	1/2020	Chen .....	H01Q 1/1207
10,593,171	B2 *	3/2020	Harrison .....	G08B 29/14
D902,251	S *	11/2020	Yamasaki .....	D14/495
2010/0194563	A1 *	8/2010	Berner .....	G01G 19/52 340/545.1
2011/0016971	A1 *	1/2011	Yulkowski .....	E05F 15/41 73/493
2011/0225886	A1 *	9/2011	Block .....	E06B 5/00 49/31

\* cited by examiner

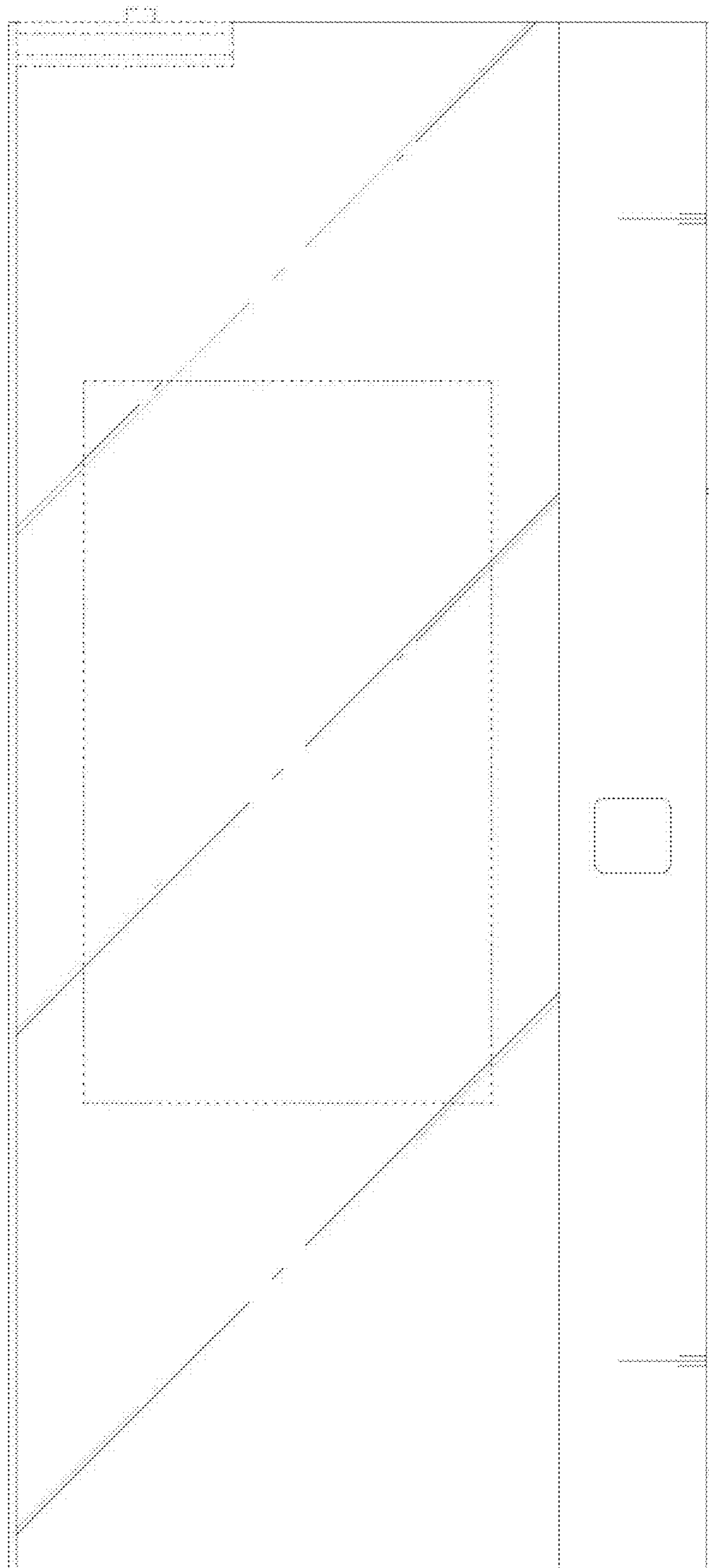
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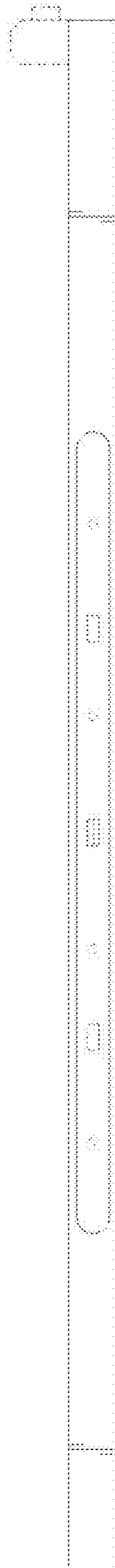
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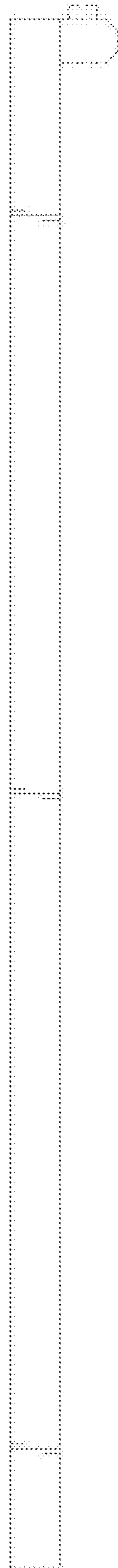
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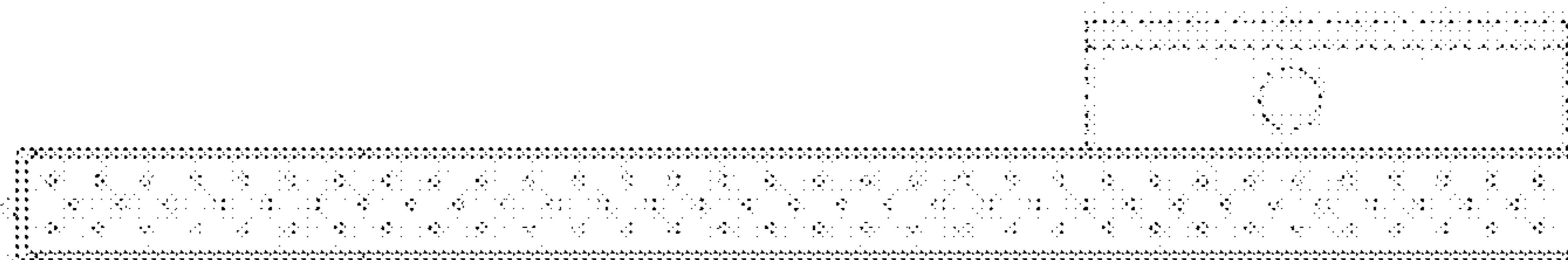
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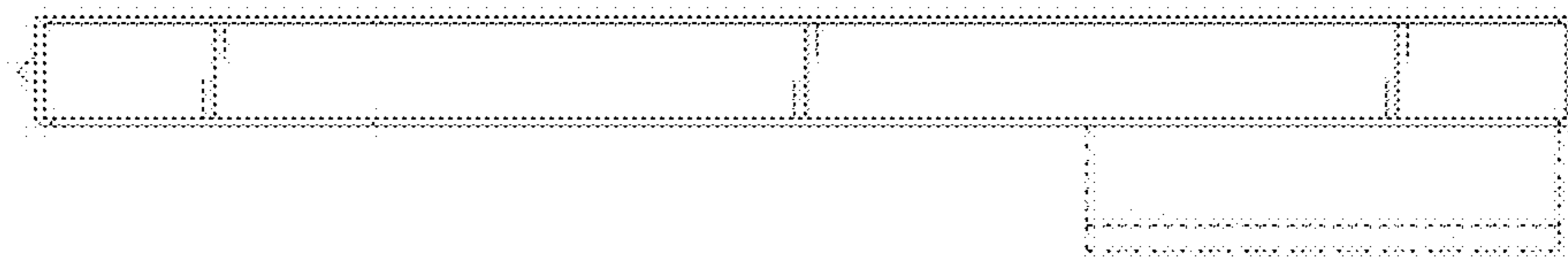


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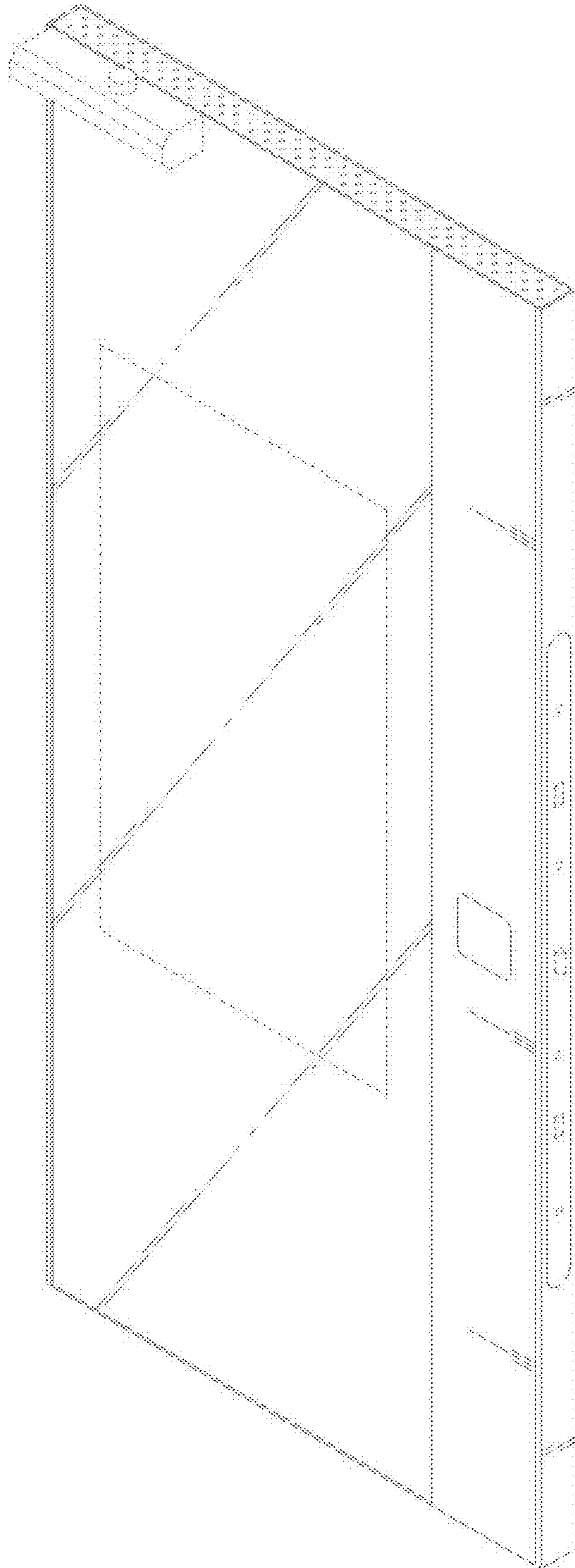




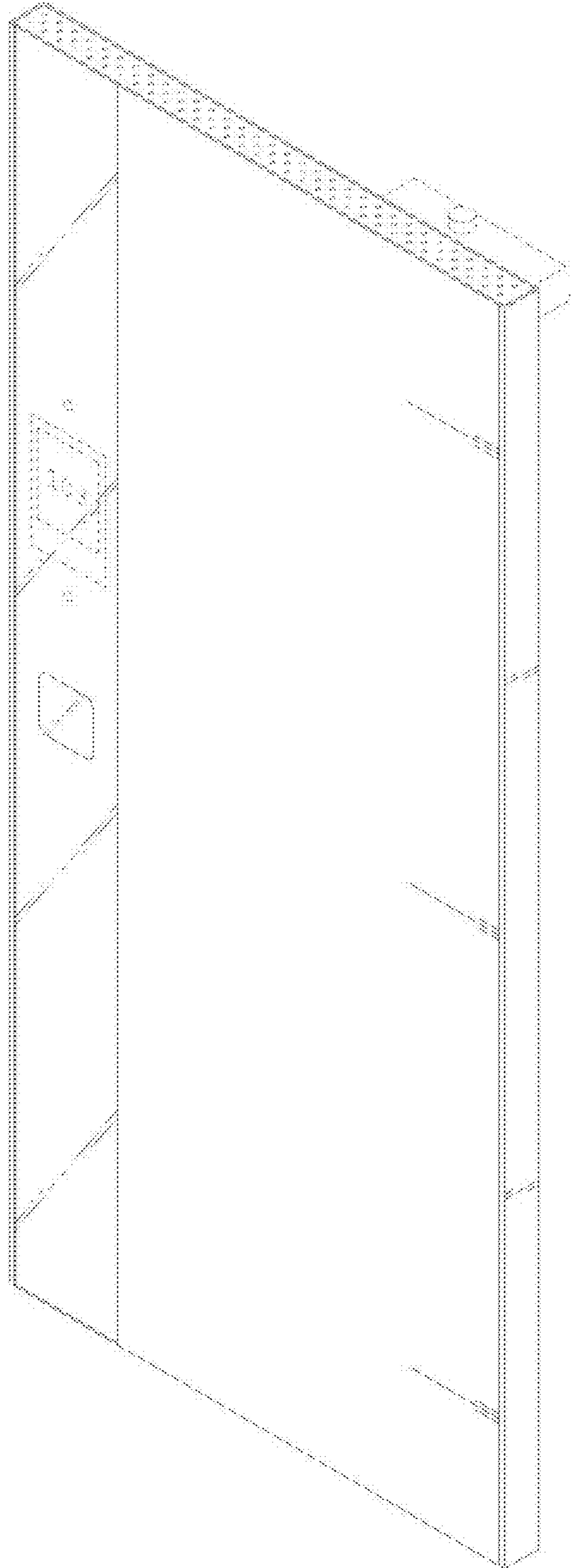
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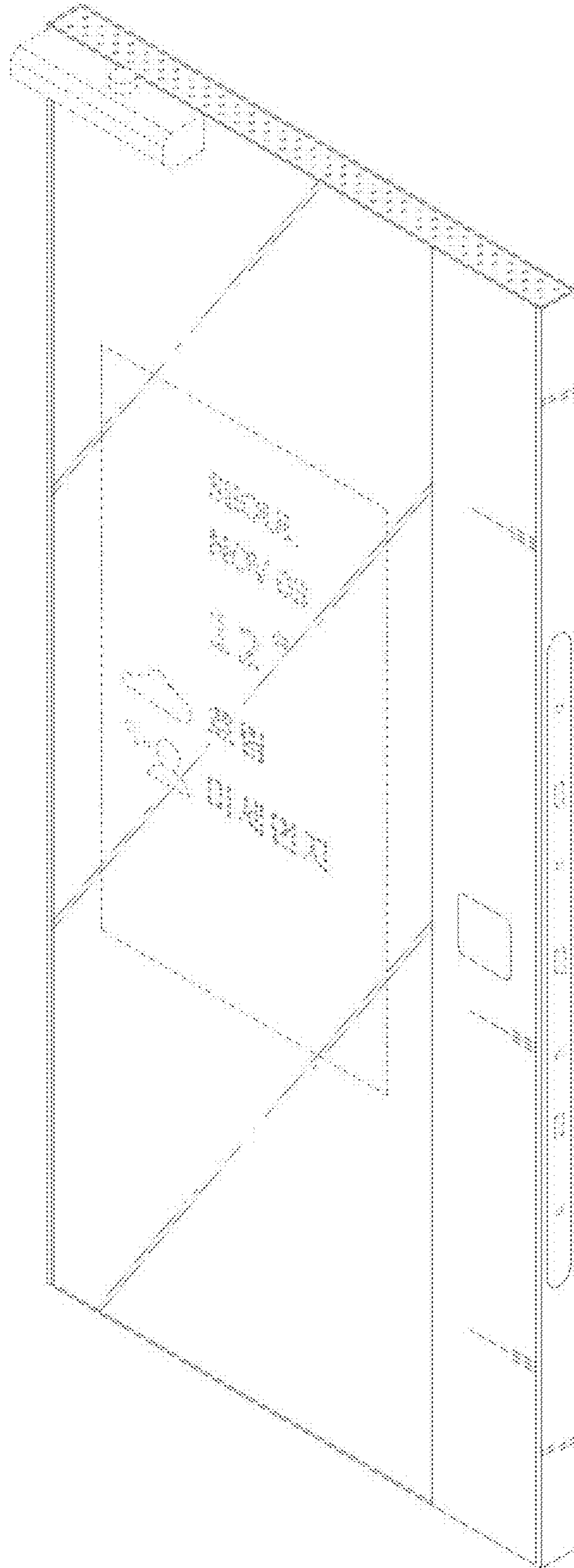
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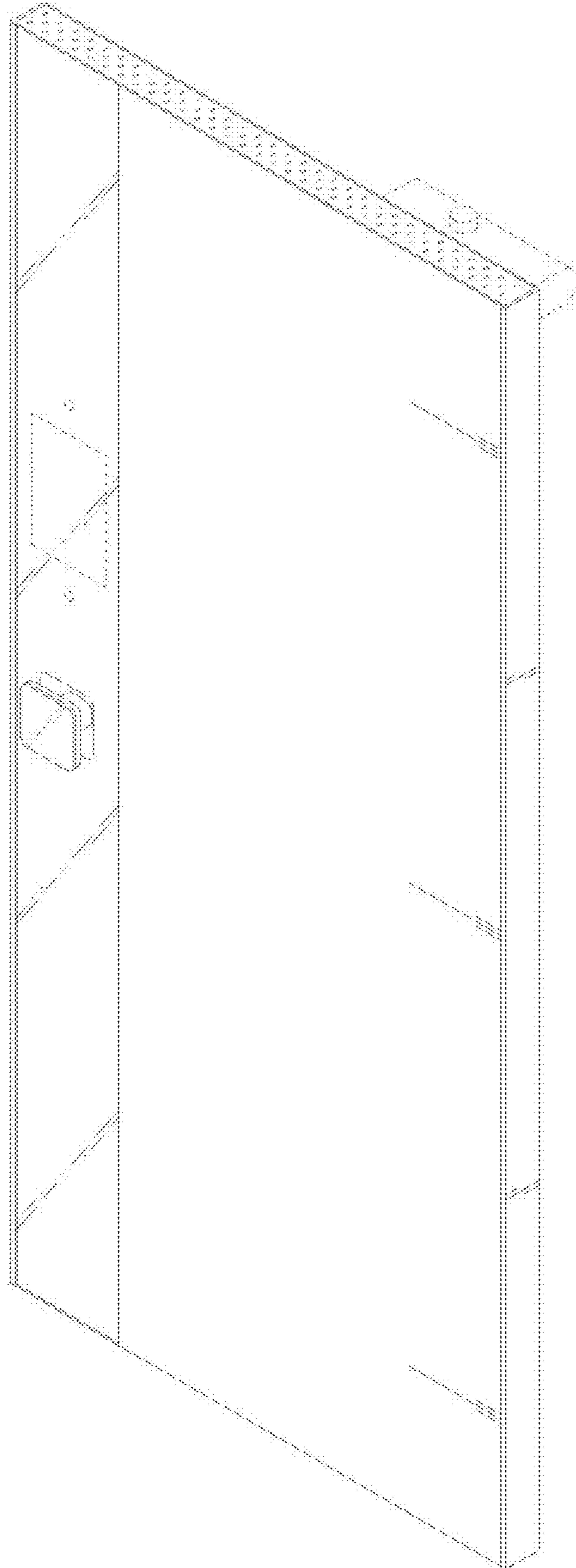
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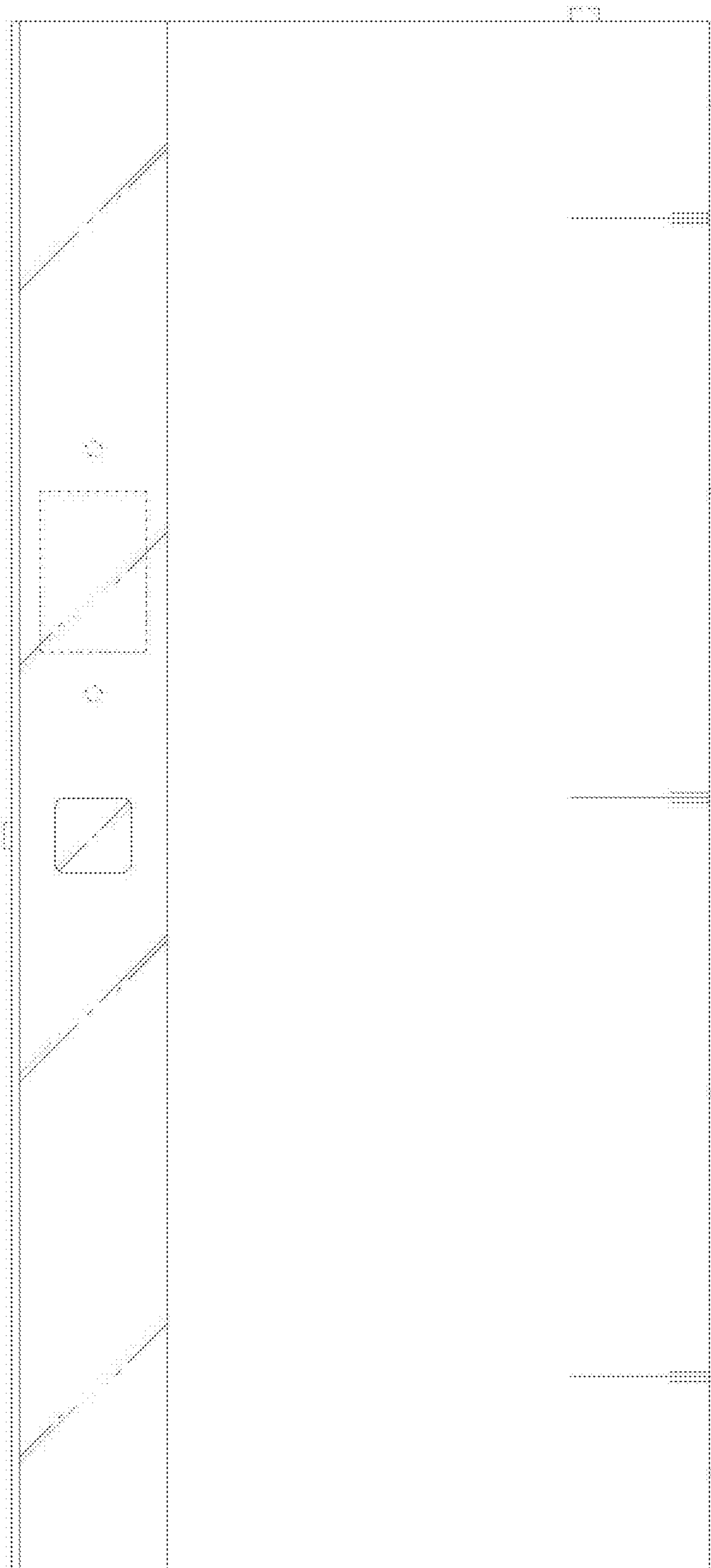
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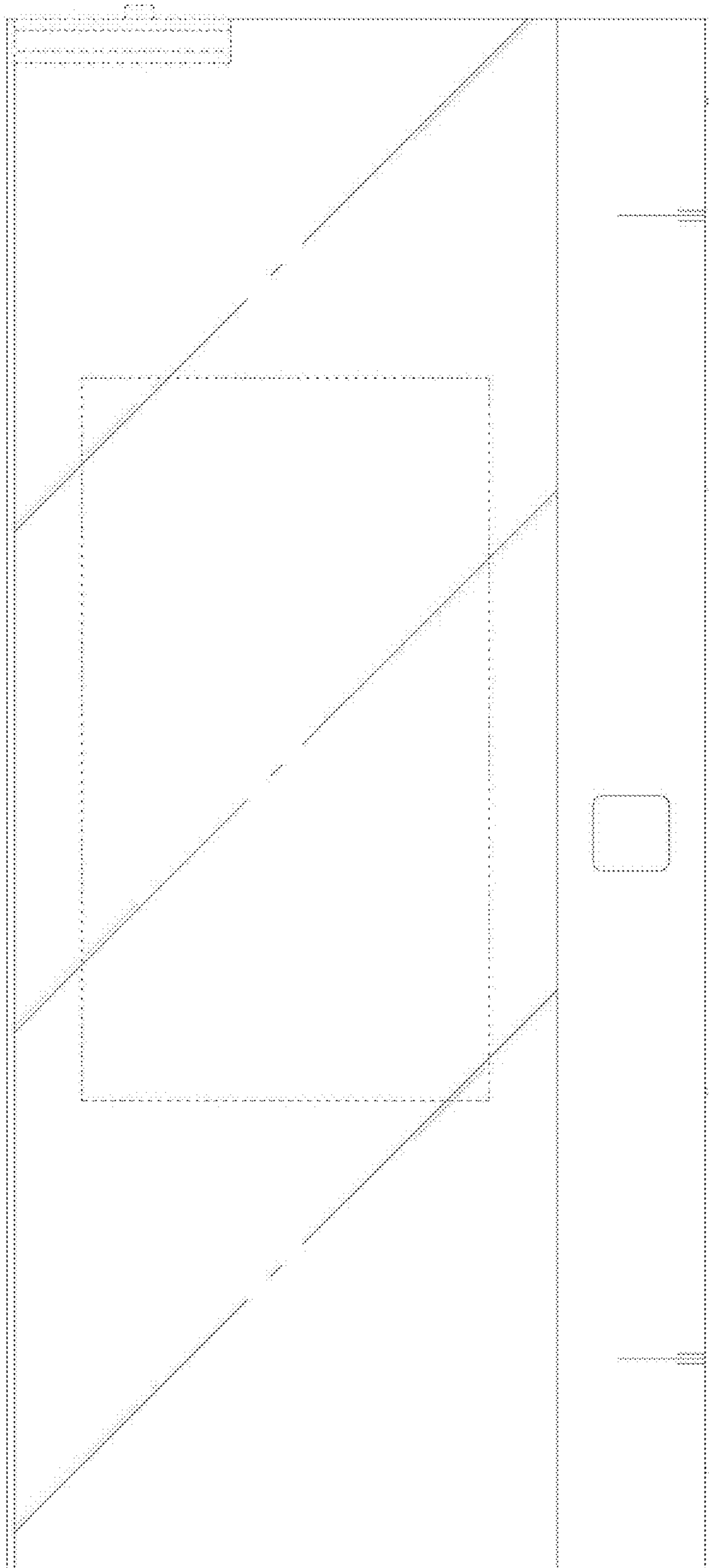
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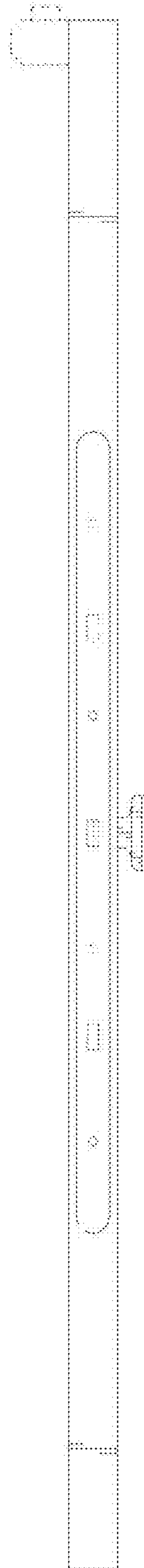
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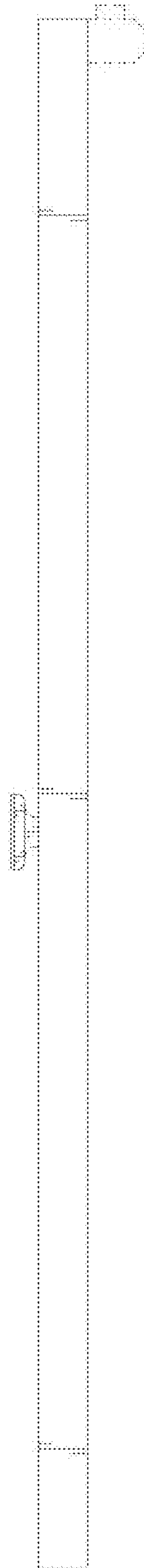


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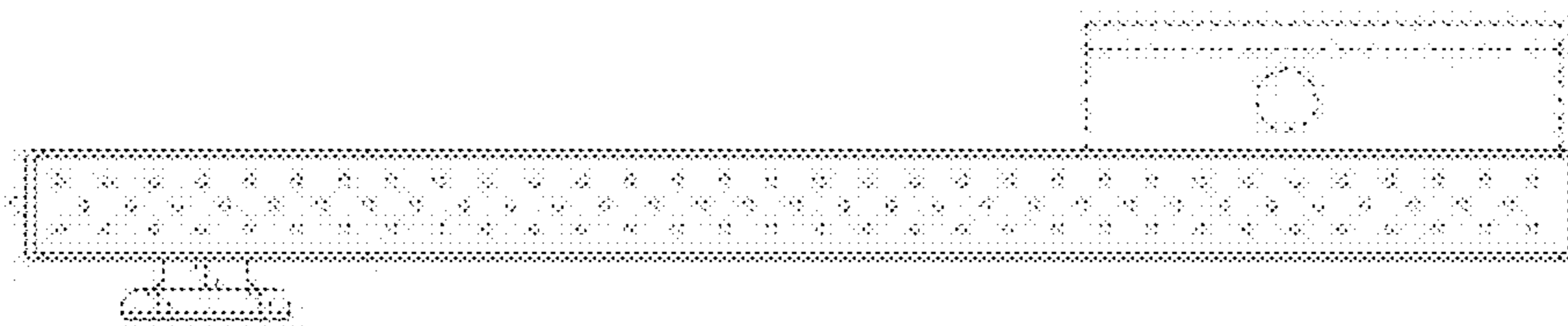




1.15



1.16



1.17

