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(12) **United States Design Patent** (10) **Patent No.:** **US D826,909 S**  
**He** (45) **Date of Patent:** **\*\* Aug. 28, 2018**

- (54) **ANTENNA**
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- (52) **U.S. Cl.**  
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- (58) **Field of Classification Search**  
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D14/237, 238, 238.1, 250, 299, 358;  
D13/182  
CPC ..... G01R 29/10; G01S 2013/0245; G01S  
2013/0254; G01S 2013/0263; G01S  
7/4026; G05B 2219/45001; G06K  
19/07773; G06K 19/07775; G06K  
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H01Q 1/088  
See application file for complete search history.

- (56) **References Cited**  
U.S. PATENT DOCUMENTS
- |              |         |                   |
|--------------|---------|-------------------|
| 7,061,437 B2 | 6/2006  | Lin et al.        |
| 7,148,849 B2 | 12/2006 | Lin               |
| 7,215,296 B2 | 5/2007  | Abramov et al.    |
| D546,821 S   | 7/2007  | Oliver            |
| D549,696 S   | 8/2007  | Oshima et al.     |
| 7,333,067 B2 | 2/2008  | Hung et al.       |
| 7,336,959 B2 | 2/2008  | Khitrik et al.    |
| D573,589 S   | 7/2008  | Montgomery et al. |
| 7,405,704 B1 | 8/2008  | Lin et al.        |

7,477,195 B2	1/2009	Vance	
7,498,987 B2 *	3/2009	Svigelj .....	H01Q 1/38 343/700 MS
D592,195 S	5/2009	Wu et al.	
7,570,215 B2	8/2009	Abramov et al.	
D599,334 S	9/2009	Chiang	
D606,053 S	12/2009	Wu et al.	
D607,442 S	1/2010	Su et al.	
D608,769 S	1/2010	Bufe	
D612,368 S	3/2010	Yang et al.	
7,705,783 B2	4/2010	Rao et al.	
7,729,662 B2	6/2010	Abramov et al.	
D621,819 S	8/2010	Tsai et al.	
7,843,390 B2	11/2010	Liu	
D633,483 S	3/2011	Su et al.	
D635,127 S	3/2011	Tsai et al.	
7,907,971 B2	3/2011	Salo et al.	
D635,560 S	4/2011	Tsai et al.	
D635,963 S	4/2011	Poddaturi	

(Continued)

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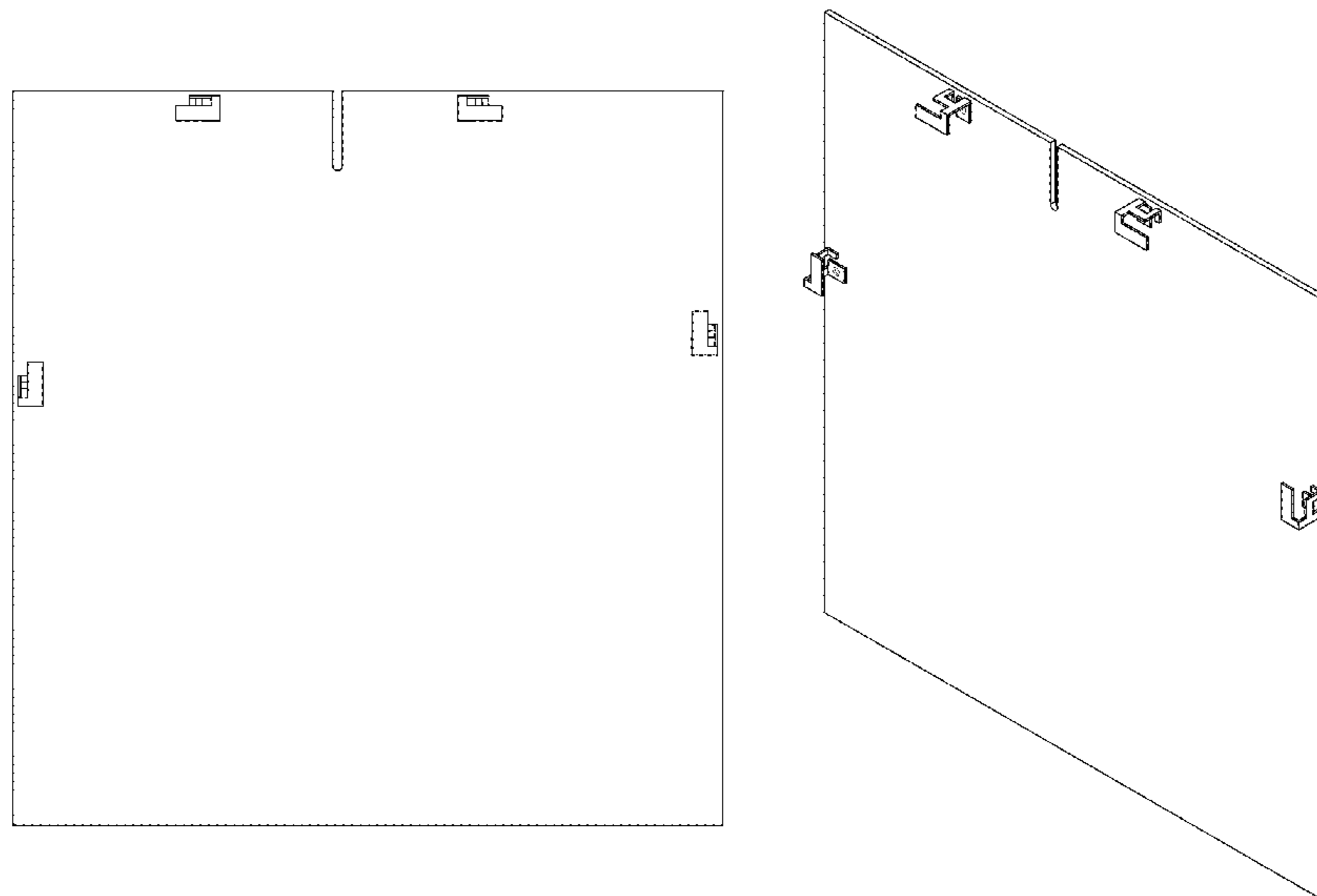
(57) **CLAIM**

The ornamental design for an antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is a top plan view of an antenna.  
FIG. 2 is a side elevation view of the antenna of FIG. 1.  
FIG. 3 is a side elevation view of the antenna of FIG. 1.  
FIG. 4 is a front elevation view of the antenna of FIG. 1.  
FIG. 5 is a rear elevation view of the antenna of FIG. 1.  
FIG. 5 is a top perspective view of the antenna with a base in broken lines; and,  
FIG. 6 is a top perspective view of the antenna.  
The broken line in the figure drawings represents unclaimed environment only and forms no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D635,964 S	4/2011	Podduturi	D703,195 S	4/2014	Zheng
D635,965 S	4/2011	Mi et al.	D703,196 S	4/2014	Zheng
D636,382 S	4/2011	Podduturi	D706,247 S	6/2014	Zheng et al.
7,965,242 B2	6/2011	Abramov et al.	D706,750 S	6/2014	Bringuir
D649,962 S	12/2011	Tseng et al.	D706,751 S	6/2014	Chang et al.
D651,198 S	12/2011	Mi et al.	D708,602 S	7/2014	Gosalia et al.
D654,059 S	2/2012	Mi et al.	D709,053 S	7/2014	Chang et al.
D654,060 S	2/2012	Ko et al.	D710,832 S *	8/2014	Yang ..... D14/230
D658,639 S	5/2012	Huang et al.	D710,833 S	8/2014	Zheng et al.
D659,129 S	5/2012	Mi et al.	8,854,265 B1	10/2014	Yang et al.
D659,685 S	5/2012	Huang et al.	D716,775 S	11/2014	Bidermann
D659,688 S	5/2012	Huang et al.	D733,104 S *	6/2015	Yang ..... D14/230
8,175,036 B2	5/2012	Visuri et al.	D754,108 S *	4/2016	Yang ..... D14/230
8,184,601 B2	5/2012	Abramov et al.	D785,604 S *	5/2017	Chang ..... D14/230
D662,916 S	7/2012	Huang et al.	D798,846 S *	10/2017	Chang ..... D14/230
8,248,970 B2	8/2012	Abramov et al.	2002/0003499 A1	1/2002	Kouam et al.
D671,097 S	11/2012	Mi et al.	2004/0222936 A1	11/2004	Hung et al.
8,310,402 B2	11/2012	Yang	2005/0073462 A1	4/2005	Lin et al.
D676,429 S	2/2013	Gosalia et al.	2005/0190108 A1	9/2005	Lin et al.
D678,255 S	3/2013	Ko et al.	2006/0208900 A1	9/2006	Tavassoli Hozouri
8,423,084 B2	4/2013	Abramov et al.	2007/0030203 A1	2/2007	Tsai et al.
D684,565 S	6/2013	Wei	2008/0150829 A1	6/2008	Lin et al.
D685,352 S	7/2013	Wei	2009/0002244 A1	1/2009	Woo
D685,772 S	7/2013	Zheng et al.	2009/0058739 A1	3/2009	Kanishi
D686,600 S	7/2013	Yang	2009/0135072 A1	5/2009	Ke et al.
D689,474 S	9/2013	Yang et al.	2009/0262028 A1	10/2009	Murnbru et al.
D692,870 S	11/2013	He	2010/0188297 A1	7/2010	Chen et al.
D694,738 S	12/2013	Yang	2010/0309067 A1	12/2010	Tsau et al.
D695,279 S	12/2013	Yang et al.	2011/0006950 A1	1/2011	Park et al.
D695,280 S	12/2013	Yang et al.	2012/0038514 A1	2/2012	Bang
			2012/0229348 A1	9/2012	Chiang
			2012/0242546 A1	9/2012	Hu et al.

\* cited by examiner

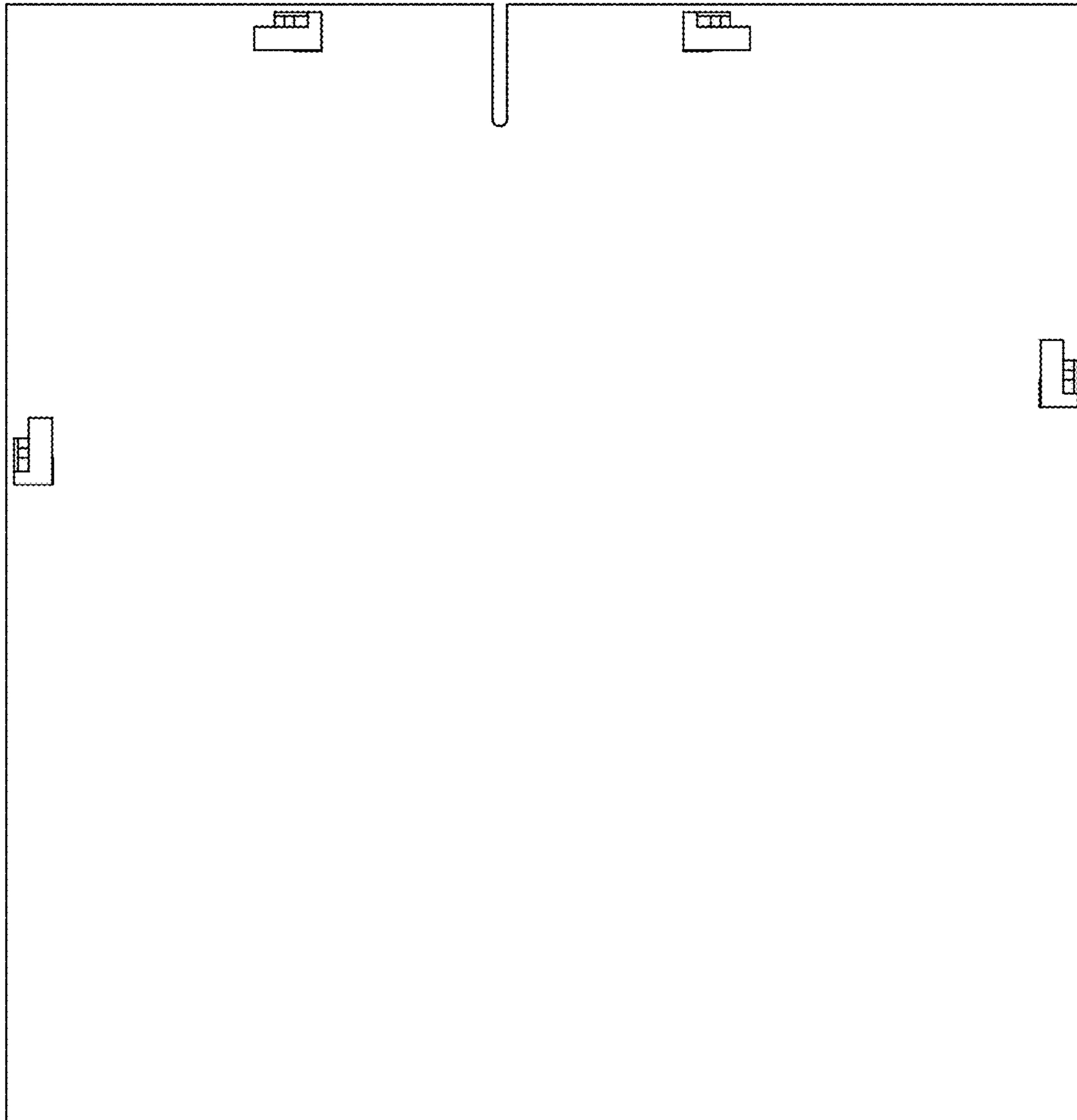


FIG. 1



FIG. 2

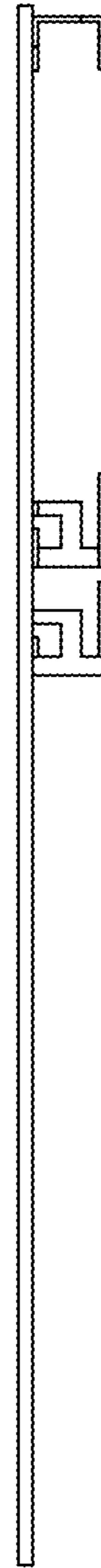


FIG. 3

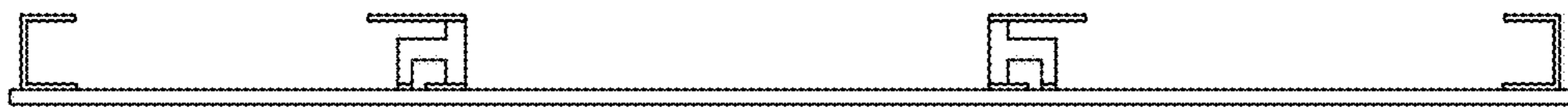


FIG. 4

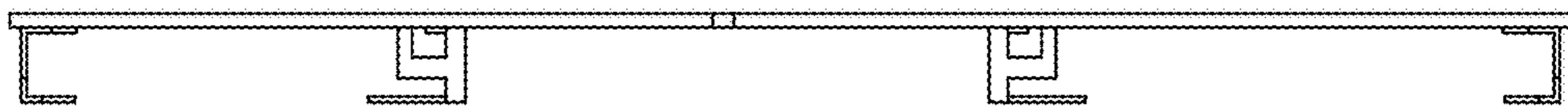


FIG. 5

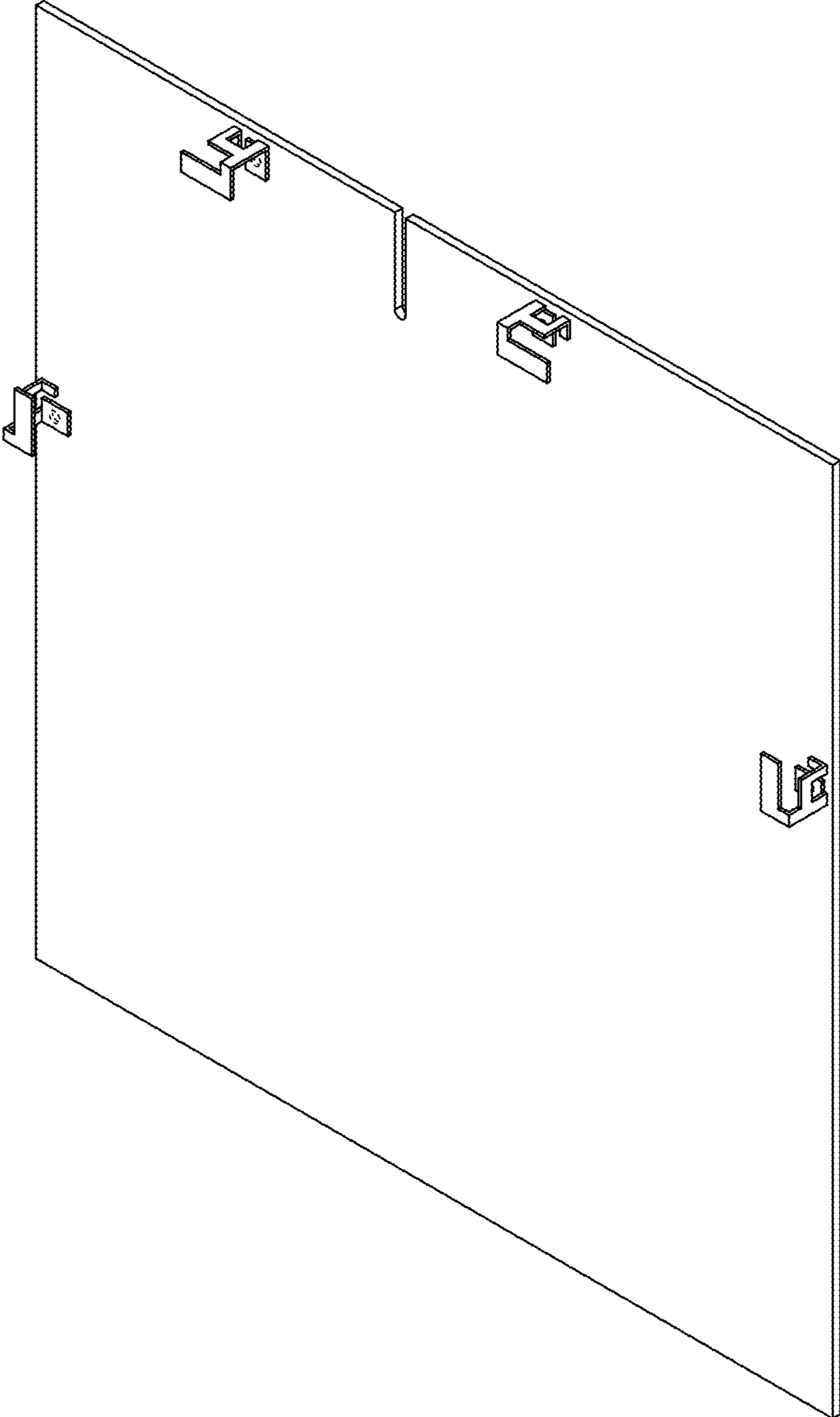


FIG. 6