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(12) **United States Design Patent**
Sayres et al.

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(54) **FIBER TROUGH HORIZONTAL CROSS COMPONENT**

4,234,760 A *	11/1980	Lawson	174/138 F
D278,229 S	4/1985	Widell		
4,907,767 A	3/1990	Corsi		
4,951,716 A	8/1990	Tsunoda		
D320,782 S	10/1991	Henneberger		
D320,976 S	10/1991	Henneberger		
D321,682 S	11/1991	Henneberger		
D321,862 S	11/1991	Henneberger		

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(Continued)

(**) Term: **14 Years**

FOREIGN PATENT DOCUMENTS

DE 1 130 492 5/1962

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OTHER PUBLICATIONS

Related U.S. Application Data

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(63) Continuation of application No. 11/246,003, filed on Oct. 7, 2005, now Pat. No. 7,471,868.

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(51) **LOC (9) Cl.** **13-03**

Primary Examiner—Rosemary K Tarcza

(52) **U.S. Cl.** **D13/155**

(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.

(58) **Field of Classification Search** D8/356;
D13/154–157, 184; 104/275; 138/106–107,
138/112–113, 116–117, 155–158, 162–163,
138/166–169, 174; 14/169.5; 174/101, 38,
174/68.1, 68.3, 72 A, 72 C, 75 R, 84 R, 91,
174/92, 95, 97, 135; 385/134, 136; 248/68.1;
403/293, 294

(57)

CLAIM

See application file for complete search history.

The ornamental design for a fiber trough horizontal cross component, as shown and described.

DESCRIPTION

(56) **References Cited**

FIG. 1 is a first top perspective view of the fiber trough horizontal cross component.

FIG. 2 is a second top perspective view thereof.

FIG. 3 is a bottom perspective view thereof.

FIG. 4 is a top view thereof.

FIG. 5 is a bottom view thereof.

FIG. 6 is a first side view thereof; and,

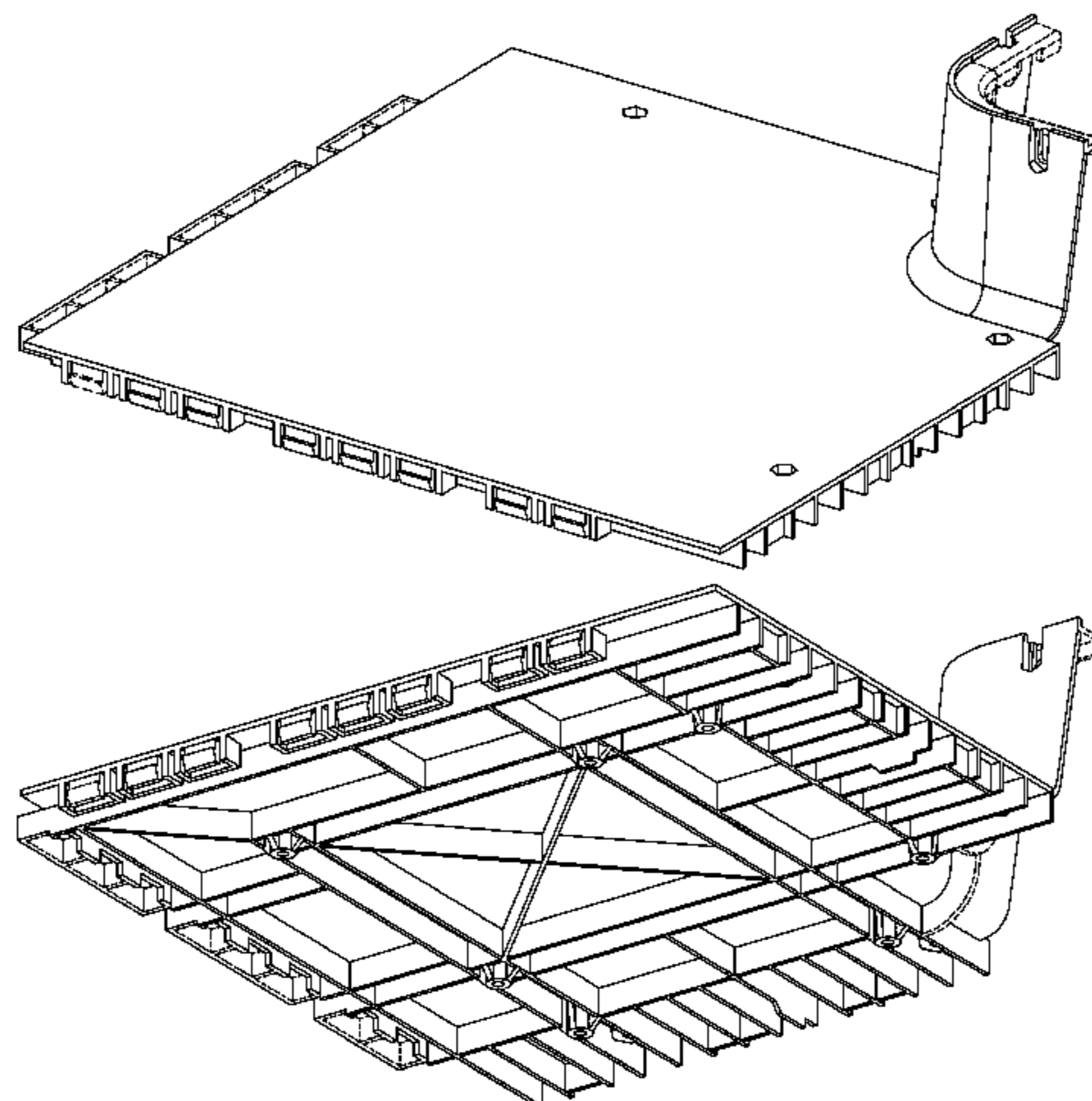
FIG. 7 is a second side view thereof.

The broken line showing aspects of the trough horizontal cross component is for the purpose of illustrating environmental structure and forms no part of the claimed design.

U.S. PATENT DOCUMENTS

799,320 A	9/1905	Franks	
D49,682 S *	9/1916	Abbott D13/155
D49,683 S *	9/1916	Abbott D13/155
D184,913 S *	4/1959	Cataldo D13/155
3,035,800 A	5/1962	McLeod	
3,351,699 A	11/1967	Merckle	
3,761,603 A	9/1973	Hays	
D237,500 S	11/1975	Legerius	
3,927,698 A	12/1975	Johannsen	
4,077,434 A	3/1978	Sieckert	

1 Claim, 6 Drawing Sheets



US D609,192 S

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U.S. PATENT DOCUMENTS

5,067,678 A 11/1991 Henneberger et al.
D322,596 S 12/1991 Henneberger
5,160,811 A 11/1992 Ritzmann
5,161,580 A 11/1992 Klug
5,240,209 A 8/1993 Kutsch
5,271,585 A 12/1993 Zetena, Jr.
5,316,243 A 5/1994 Henneberger
5,316,244 A 5/1994 Zetena, Jr.
5,335,349 A 8/1994 Kutsch
5,469,893 A 11/1995 Caveney
5,503,354 A 4/1996 Lohf
5,715,099 A 2/1998 Takemoto
5,752,781 A 5/1998 Haataja
5,753,855 A 5/1998 Nicoli
5,899,025 A 5/1999 Casey
5,923,753 A 7/1999 Haataja
D413,306 S * 8/1999 Scherer et al. D13/155
5,937,131 A 8/1999 Haataja
D415,471 S 10/1999 Henry
5,995,699 A 11/1999 Vargas
D419,697 S * 1/2000 Kroesbergen D25/138
6,037,538 A 3/2000 Brooks
6,037,543 A 3/2000 Nicoli
6,076,779 A 6/2000 Johnson
6,107,575 A 8/2000 Miranda
6,198,047 B1 3/2001 Barr
D447,737 S 9/2001 Scherer
6,437,244 B1 8/2002 Vander Velde
6,450,458 B1 9/2002 Bernard
6,522,823 B1 2/2003 Wentworth
6,535,683 B1 3/2003 Johnson
6,559,378 B1 5/2003 Bernard
6,603,073 B2 8/2003 Ferris
6,625,373 B1 9/2003 Wentworth
6,631,875 B1 10/2003 Kampf
6,634,605 B2 10/2003 Bernard
6,708,918 B2 3/2004 Ferris et al.
6,709,186 B2 3/2004 Ferris et al.
6,715,719 B2 4/2004 Nault

6,727,434 B2 4/2004 Jadaud
6,739,795 B1 5/2004 Haataja
7,034,227 B2 4/2006 Fox
7,045,707 B1 5/2006 Galasso
2002/0096606 A1 7/2002 Bernard
2003/0047343 A1 3/2003 Ferris
2004/0124321 A1 7/2004 Kampf
2004/0159750 A1 8/2004 Ferris
2007/0092196 A1 4/2007 Bayazit

FOREIGN PATENT DOCUMENTS

DE 37 42 448 A1 6/1989
DE 296 10 947 U1 8/1996
EP 0 863 594 A2 9/1998
EP 0 933 850 A1 8/1999
FR 2 238 828 2/1975
FR 2 735 557 12/1996
JP 5-172281 A 7/1993
SU 1272387 A1 11/1986

OTHER PUBLICATIONS

Communication Regarding Application dated Nov. 21, 2008, 2 pages.
Copy of International Search Report mailed Jan. 29, 2007 (PCT/US2006/038648).
ADC Telecommunications brochure entitled "FiberGuide® Fiber Management Systems," 33 pages, dated Oct. 1995.
Warren & Brown & Staff brochure pages entitled "lightpaths," Issue 2, 11 pages., dated 1995.
ADC Telecommunications brochure entitled "Fiber Guide™ Fiber Management System," 6 pages, dated Jun. 1989.
ADC Telecommunications brochure entitled "ADC FiberGuide® System Express Exit™ 2x2," 2 pages, dated May 1999.
ADC Telecommunications brochure entitled "FiberGuide® Fiber Management Systems," 37 pages, dated Jun. 1998.
ADC Telecommunications brochure entitled FiberGuide® Fiber Management Systems, 56 pages, dated Sep. 2000.
ADC Telecommunications brochure entitled FiberGuide® Fiber Management Systems, 90 pages, dated May 2005.

* cited by examiner

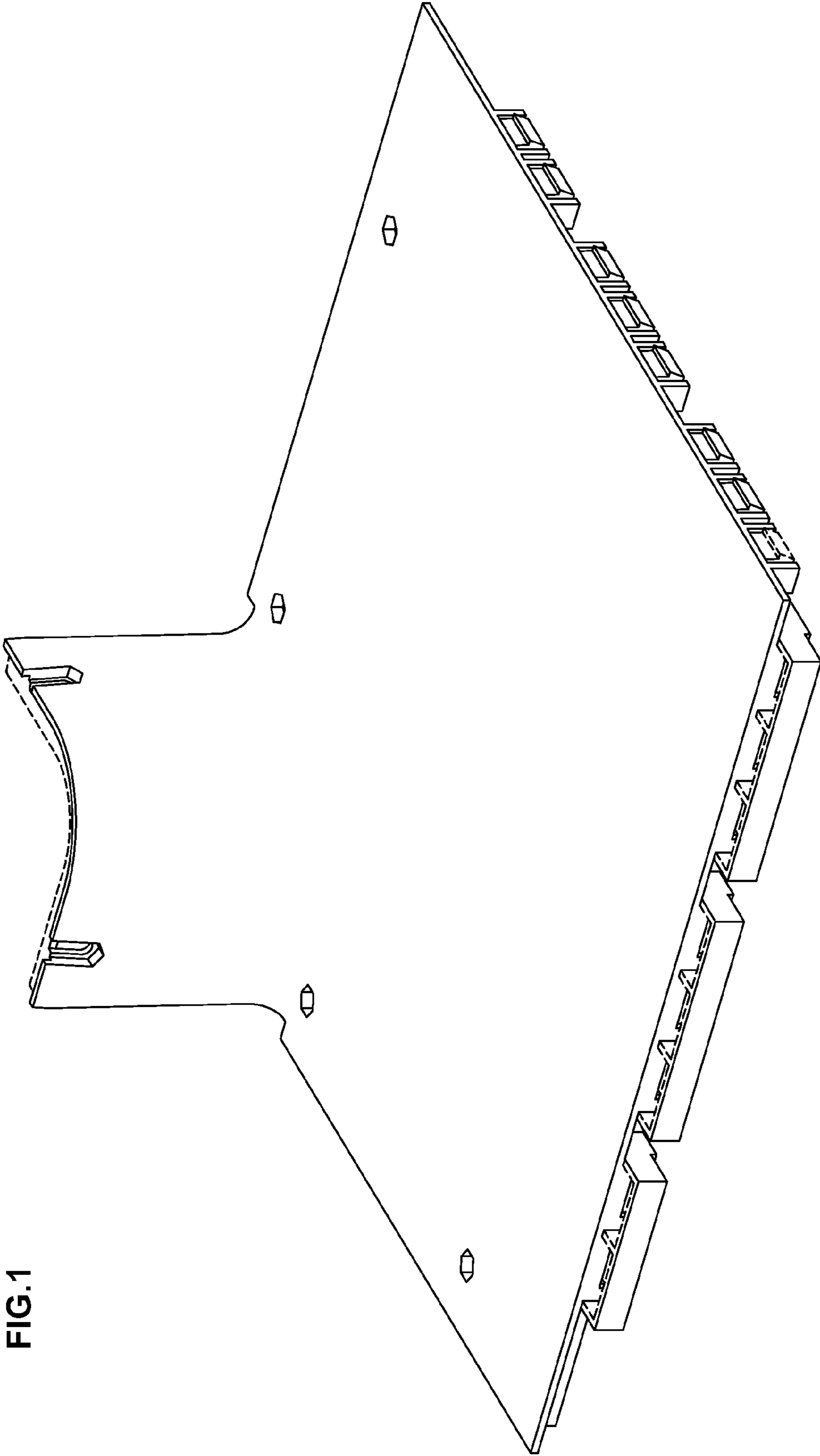


FIG.1

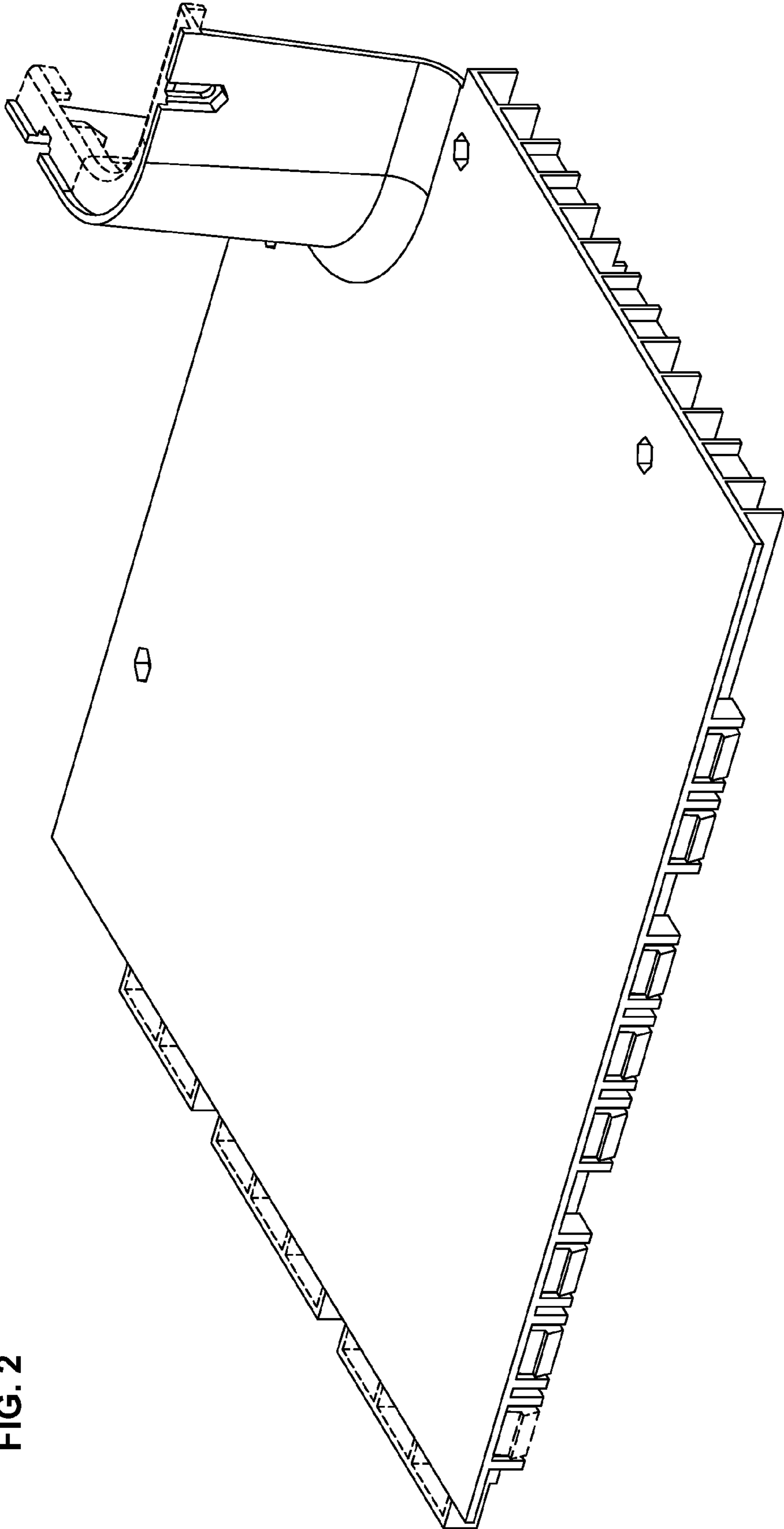


FIG. 2

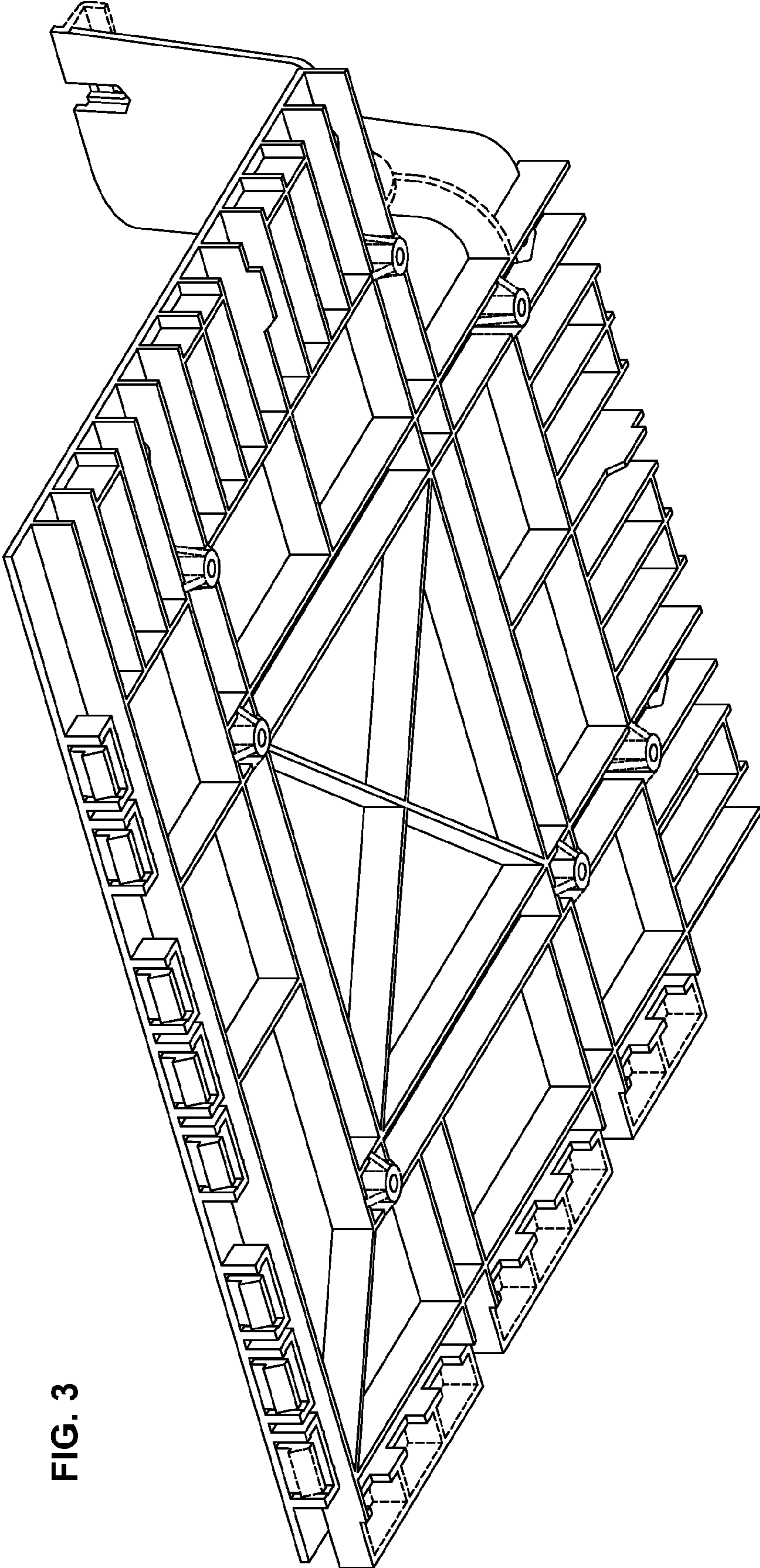


FIG. 3

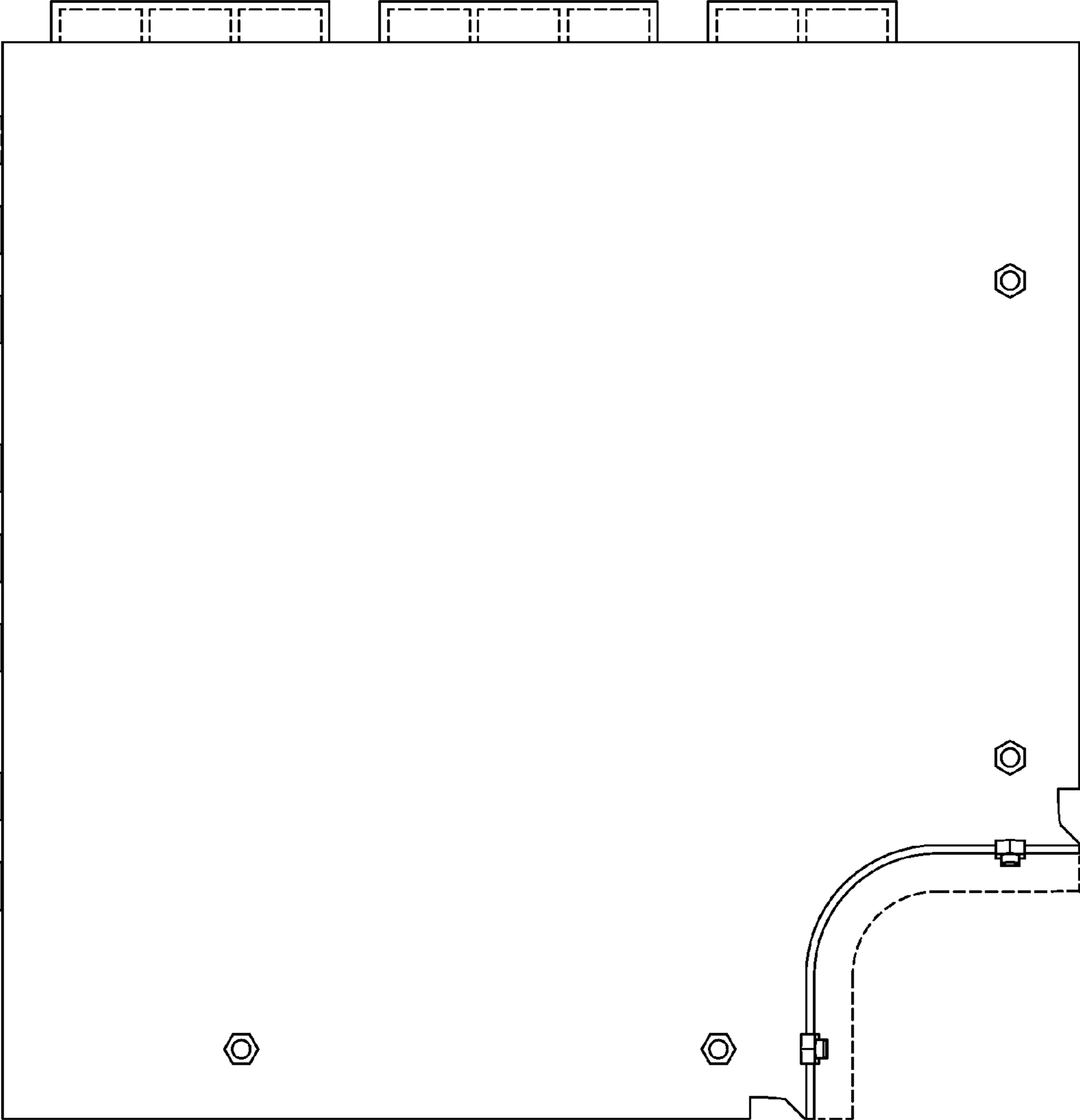


FIG. 4

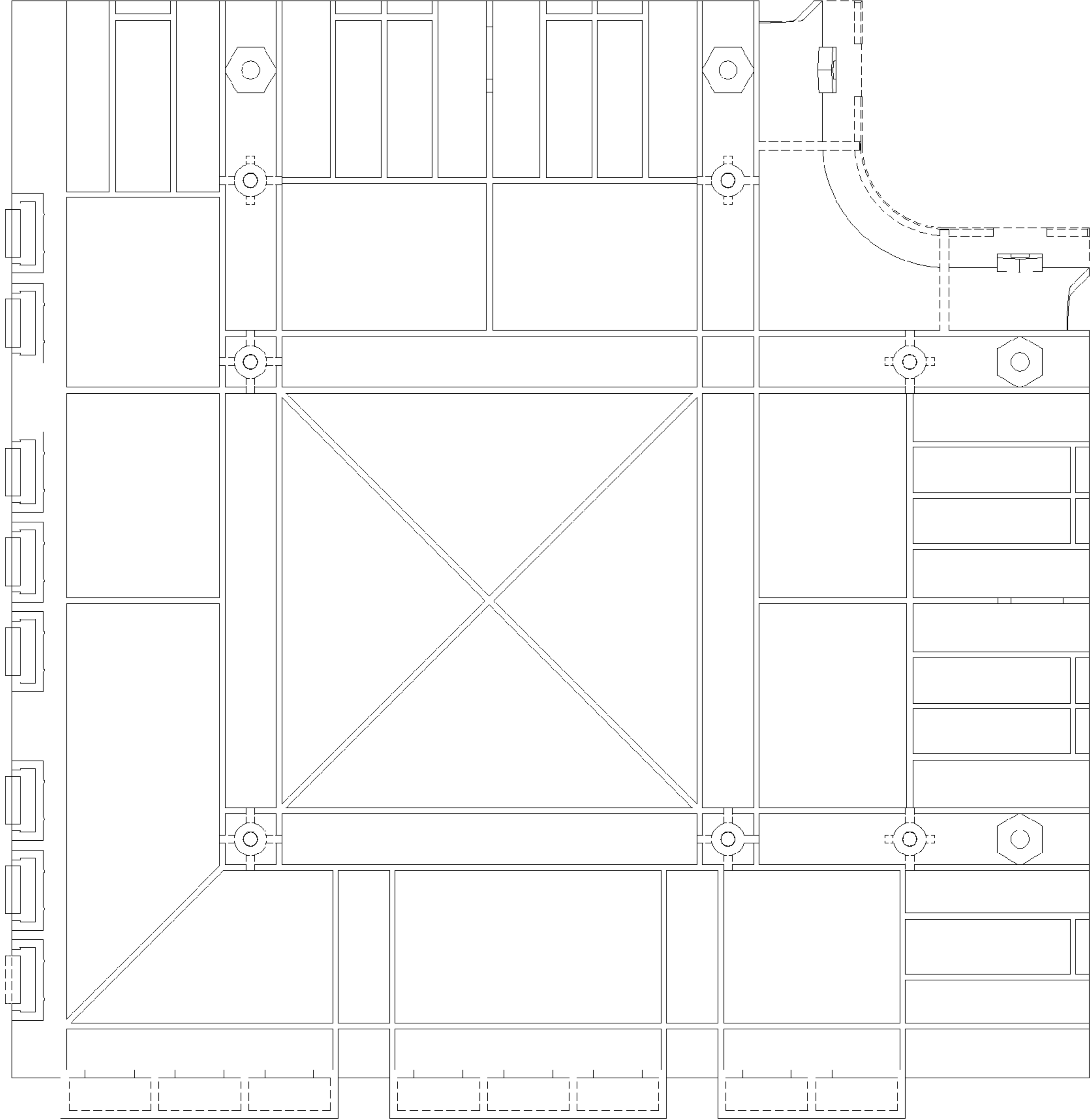


FIG. 5

FIG. 6

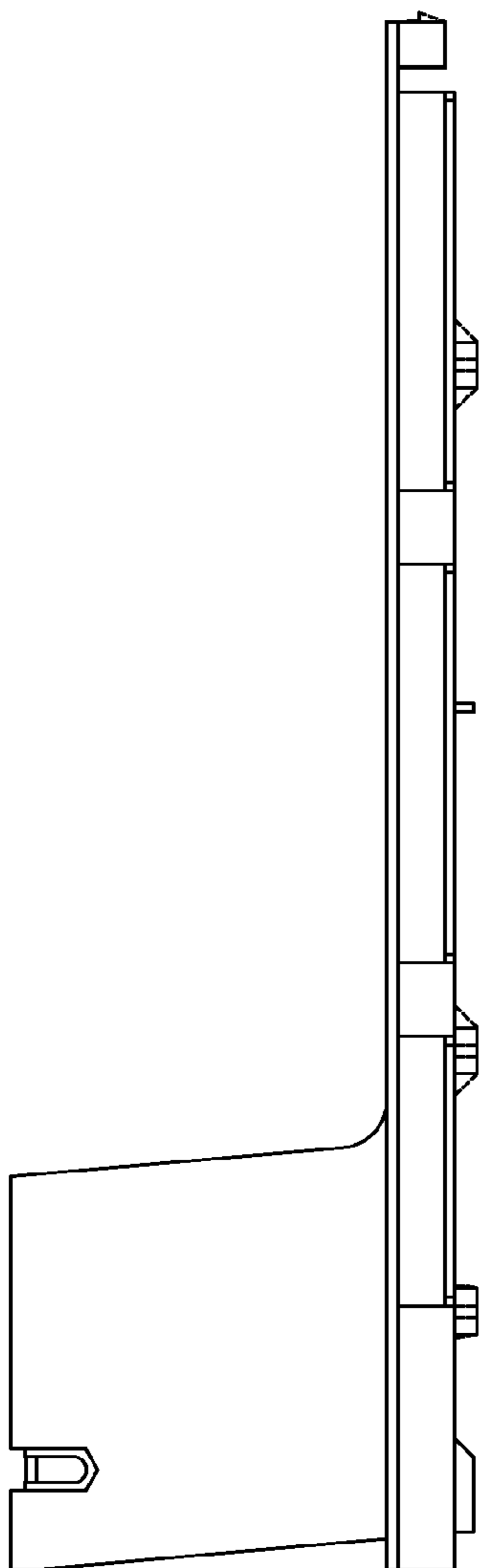


FIG. 7

