



US00D576557S

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

(10) **Patent No.:** **US D576,557 S**
(45) **Date of Patent:** **** Sep. 9, 2008**

(54) **ELECTRICAL CONNECTOR**

(75) Inventors: **Seralathan Hariharesan**, Flower Mound, TX (US); **Brock Dennison**, Lewisville, TX (US); **Jon Kenneth Lampert**, Garland, TX (US); **Michael S. Jenkins**, Fairview, TX (US); **Kent Poteet**, Lucas, TX (US); **Jaime Felix Barajas**, McKinney, TX (US)

(73) Assignee: **Traxxas LP**, Plano, TX (US)

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

(21) Appl. No.: **29/279,013**

(22) Filed: **Apr. 17, 2007**

(51) **LOC (8) Cl.** **13-03**

(52) **U.S. Cl.** **D13/154; D13/133**

(58) **Field of Classification Search** D13/131-133, D13/134, 137.1, 138.1, 139.1, 146-147, 149, D13/154, 184, 199; 439/63, 115, 161, 284, 439/293, 295, 342, 352, 507, 678, 692, 701, 439/825, 839, 851, 854-857; 174/58; 428/35.7
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,121,338 A	6/1938	Chirelstein	
2,203,122 A	6/1940	Anderson	
2,838,739 A	6/1958	Winkler	
3,091,746 A	5/1963	Winkler	
3,145,067 A	8/1964	Mishelevich et al.	
3,218,599 A	11/1965	Winkler	
3,233,211 A	2/1966	Smith	
3,259,870 A	7/1966	Winkler	
3,794,957 A *	2/1974	Winkler	439/295
4,018,497 A	4/1977	Bulanchuk	
4,083,617 A	4/1978	Wyatt	
D258,429 S *	3/1981	Buckler	D13/138.1
4,342,498 A	8/1982	Patton et al.	
4,630,876 A	12/1986	Grunberg et al.	
4,846,729 A	7/1989	Hikami et al.	

4,990,099 A	2/1991	Marin et al.	
D326,642 S *	6/1992	Lowe	D13/138.1
5,123,071 A *	6/1992	Mulholland et al.	385/53
5,293,581 A *	3/1994	DiMarco	385/76
5,533,915 A	7/1996	Deans	
5,575,674 A	11/1996	Davis et al.	

FOREIGN PATENT DOCUMENTS

DE 704 450 3/1941

(Continued)

OTHER PUBLICATIONS

Clarke, Brooke; "Power Pole" web page article; Brooke Clarke, Ukiah CA, U.S.A., 2003-2006.

(Continued)

Primary Examiner—Daniel D Bui

Assistant Examiner—Thomas J Johannes

(74) *Attorney, Agent, or Firm*—Carr LLP

(57)

CLAIM

The ornamental design for an electrical connector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an electrical connector taken from the front, top and left showing our new design;

FIG. 2 is a perspective view thereof taken from the rear, bottom and right;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

FIG. 5 is a top plan view thereof;

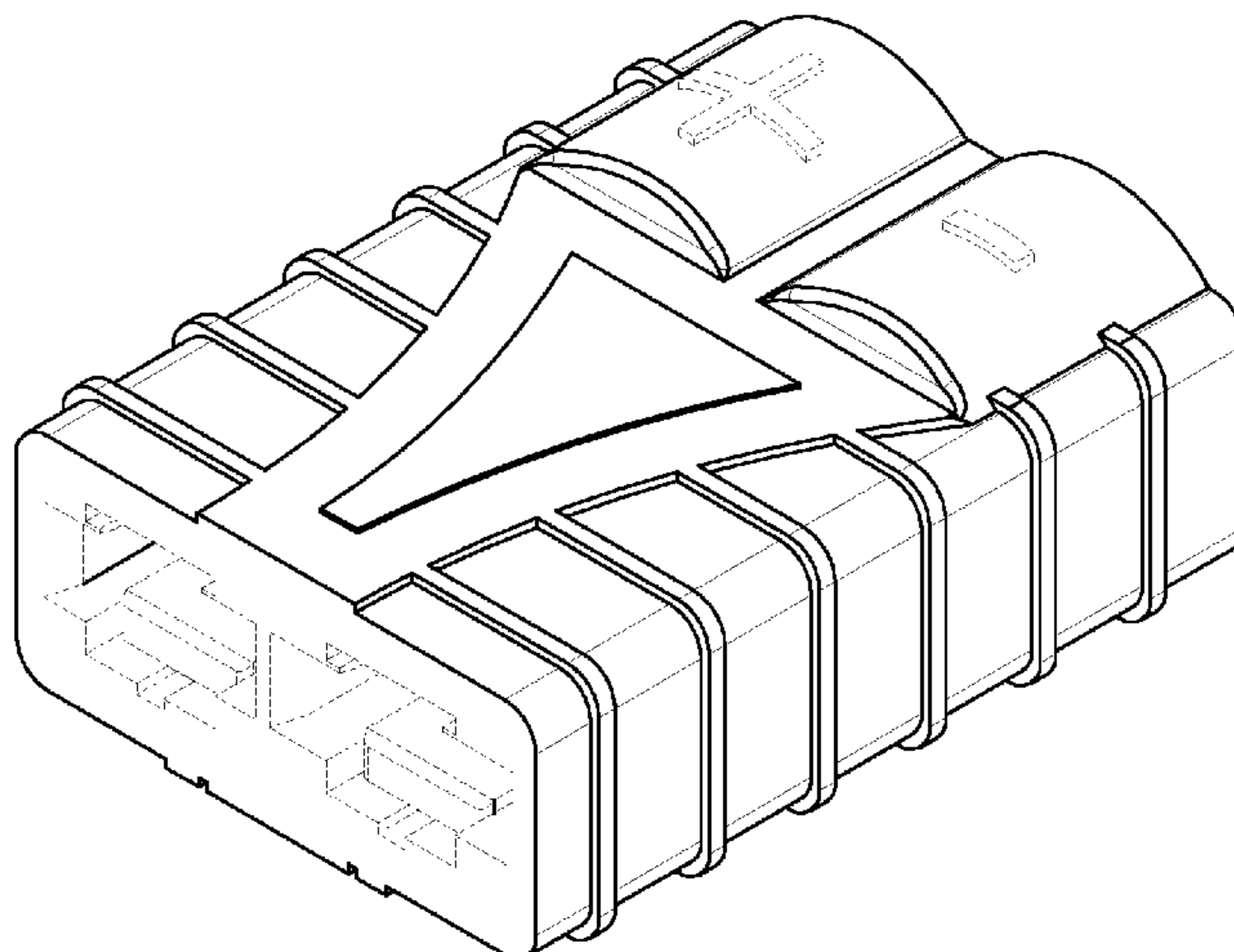
FIG. 6 is a bottom plan view thereof;

FIG. 7 is a left side elevation view thereof; and,

FIG. 8 is a right side elevation view thereof.

The broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



U.S. PATENT DOCUMENTS

5,748,821	A *	5/1998	Schempp et al.	385/76
D430,542	S *	9/2000	Hoferitza et al.	D13/154
6,240,228	B1 *	5/2001	Chen et al.	385/53
6,268,564	B1	7/2001	Miyakoshi	
6,318,904	B1 *	11/2001	Reichle	385/78
D467,553	S *	12/2002	Cheng	D13/154
6,488,546	B2	12/2002	Sakurai et al.	
6,619,995	B1	9/2003	Hayashi et al.	
6,619,996	B2	9/2003	Hara et al.	
6,623,309	B2	9/2003	Sakurai et al.	
6,645,003	B2	11/2003	Yoshida et al.	
6,761,488	B2 *	7/2004	Weigel	385/58
7,004,795	B2	2/2006	Mancini et al.	
7,325,980	B2 *	2/2008	Pepe	385/86

FOREIGN PATENT DOCUMENTS

EP	0 319 831	A2	6/1989
FR	1036107		9/1953

OTHER PUBLICATIONS

Anderson Power Products; “PP15 Powerpole Connector” data sheet; Anderson Power Products, Sterling, MA U.S.A.
Anderson Power Products, “SB Connector Family” data sheet; Anderson Power Products, Sterling, MA, U.S.A.

Anderson Power Products; “SB 50 Connector” data sheet; Anderson Power Products, Sterling, MA, U.S.A.
Anderson Power Products; “SBS 50 Connector” data sheet; Anderson Power Products, Sterling, MA. U.S.A.
Horizon Hobby; “E-flite EC3 Device & Battery Connector, Male-Female” web page; Horizon Hobby, Inc., Champaign, IL, U.S.A. 2006.
Tyco Electronics, “Hot Plug, High Current Dual Crown Clip Socket Connector” Elcon Products International Co., Fremont, CA U.S.A. 2000.
McMaster-Carr; “Quick-Disconnect Terminals” catalog p. 724; McMaster-Carr Supply Co.
Molex; “Standard .093” web pages; Molex, Lisle IL U.S.A.
Hyperphysics, “Household Wiring—Polarized Receptacles” web page article; <http://hyperphysics.phy-astr.gsu.edu/hbase/electric/hsehld.html>.
Traxxas; “Revo transmission” illustration (1 page); Traxxas LP, Plano TX U.S.A.
Deans; “Ultra Plug” photographs (3 pages); Wm. F. Deans, Paramount CA U.S.A.
Molex; “Standard .093” connector photographs (7 pages); Molex, Lisle IL U.S.A.
“Standard 110V electrical plugs and receptacles” photographs (5 pages).

* cited by examiner

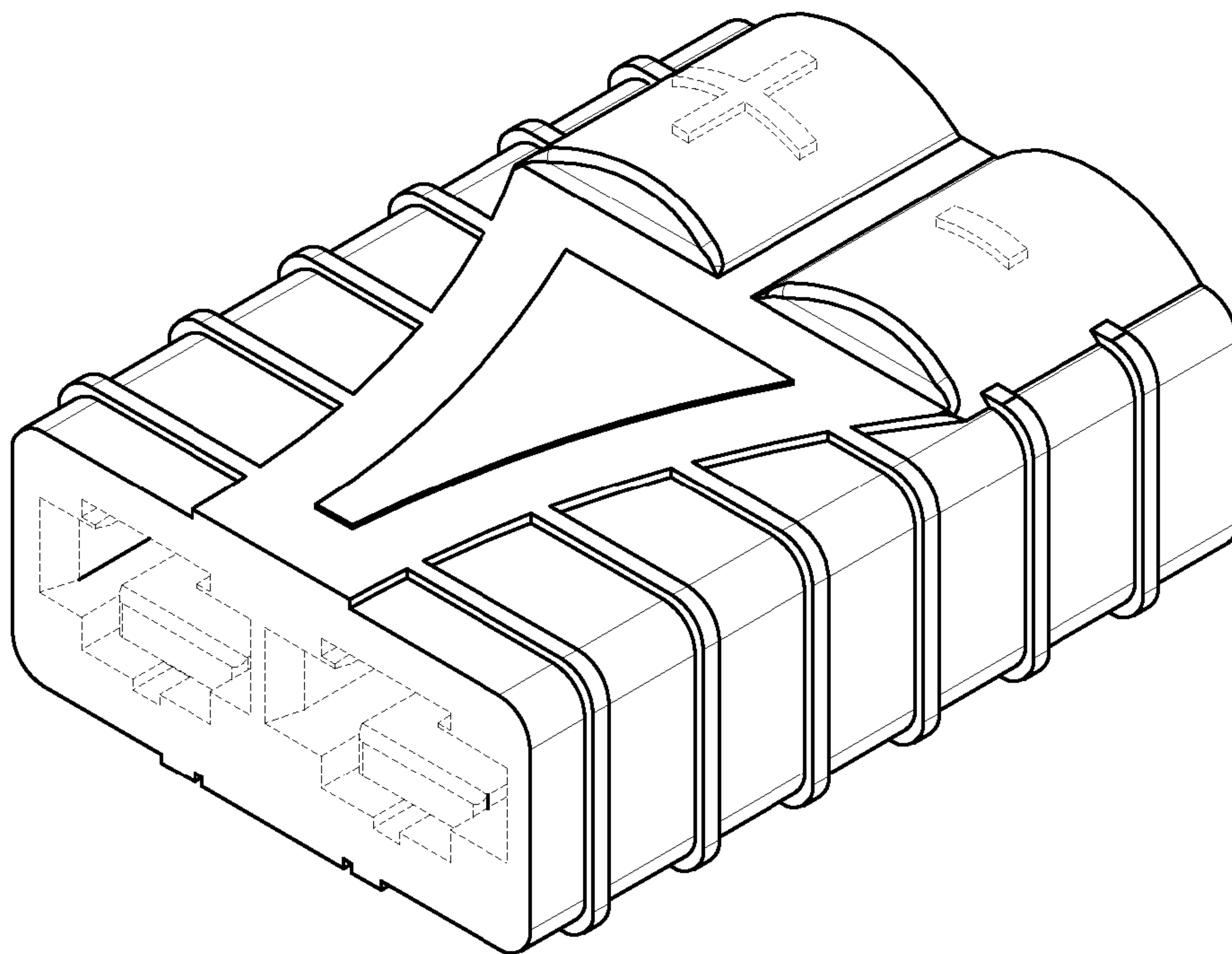


FIG. 1

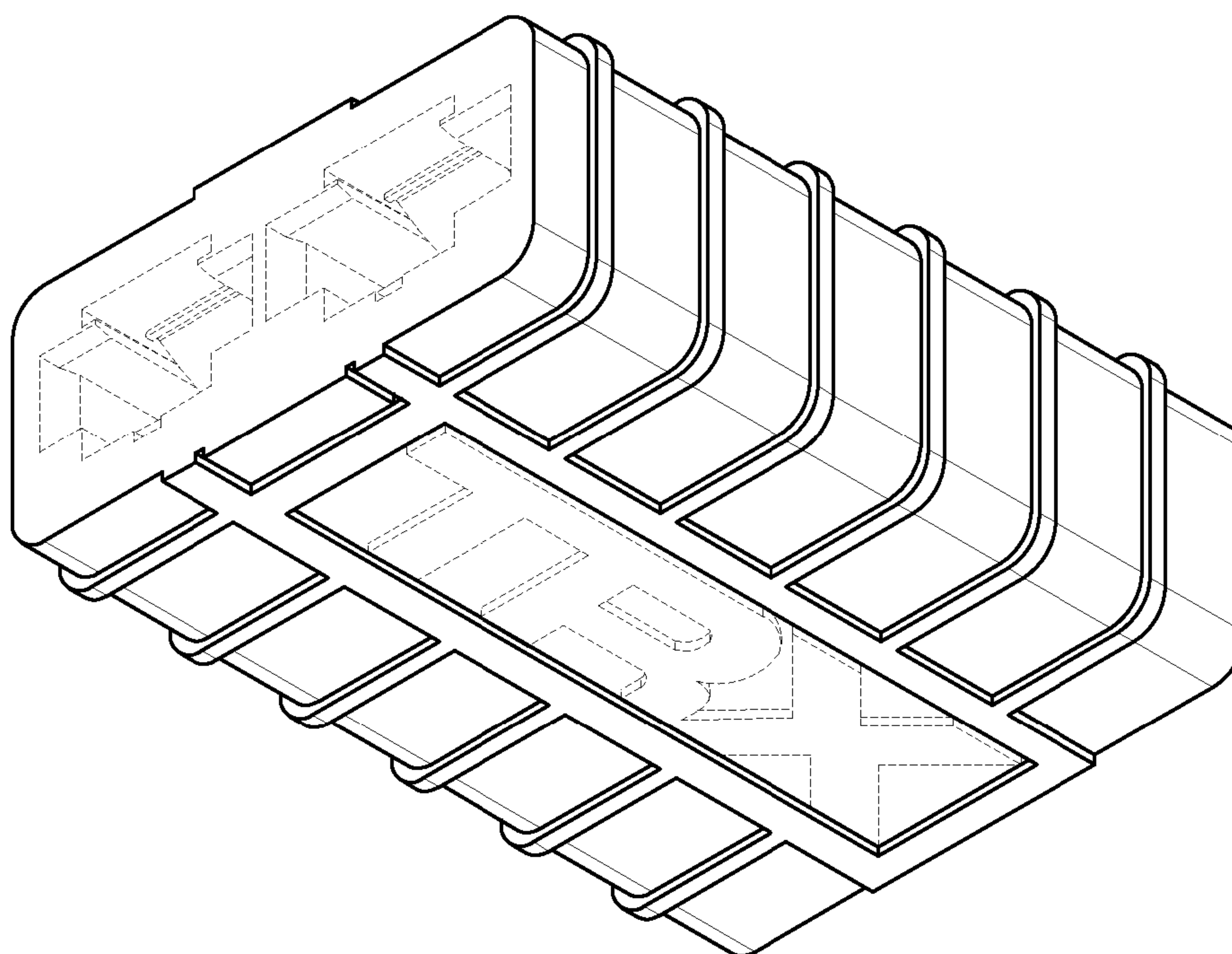


FIG. 2

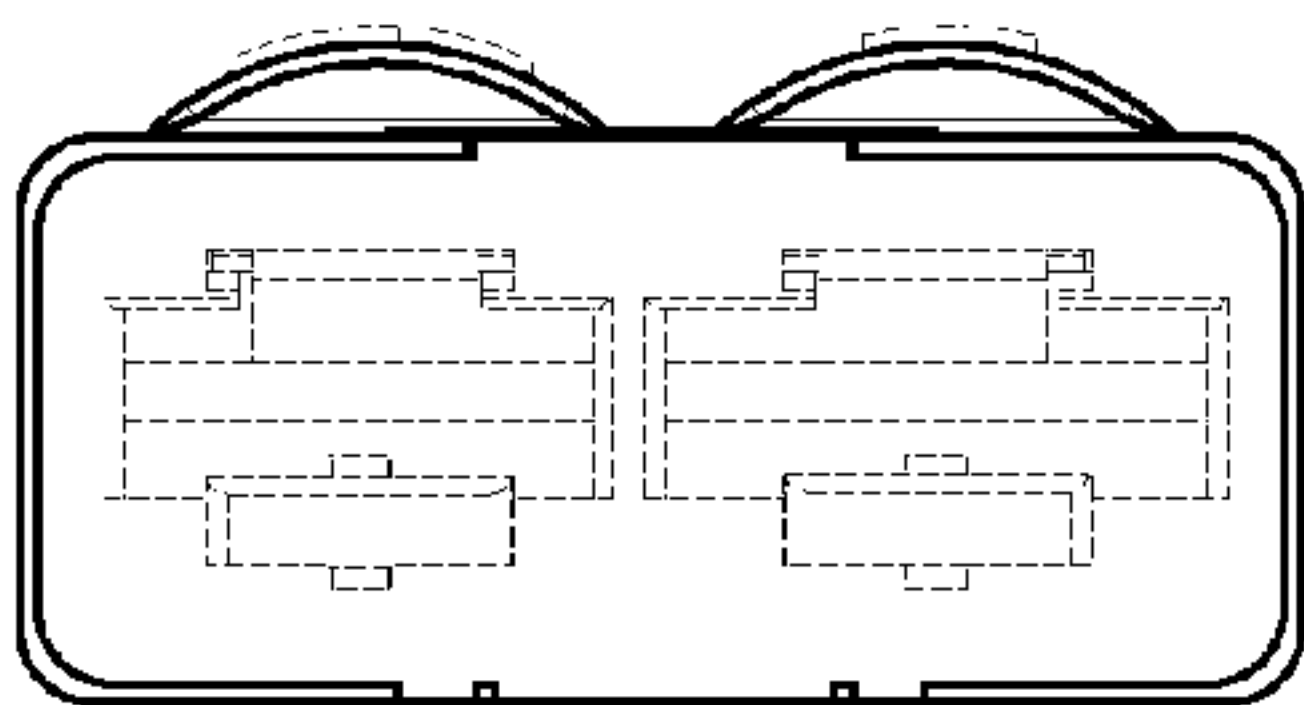


FIG. 3

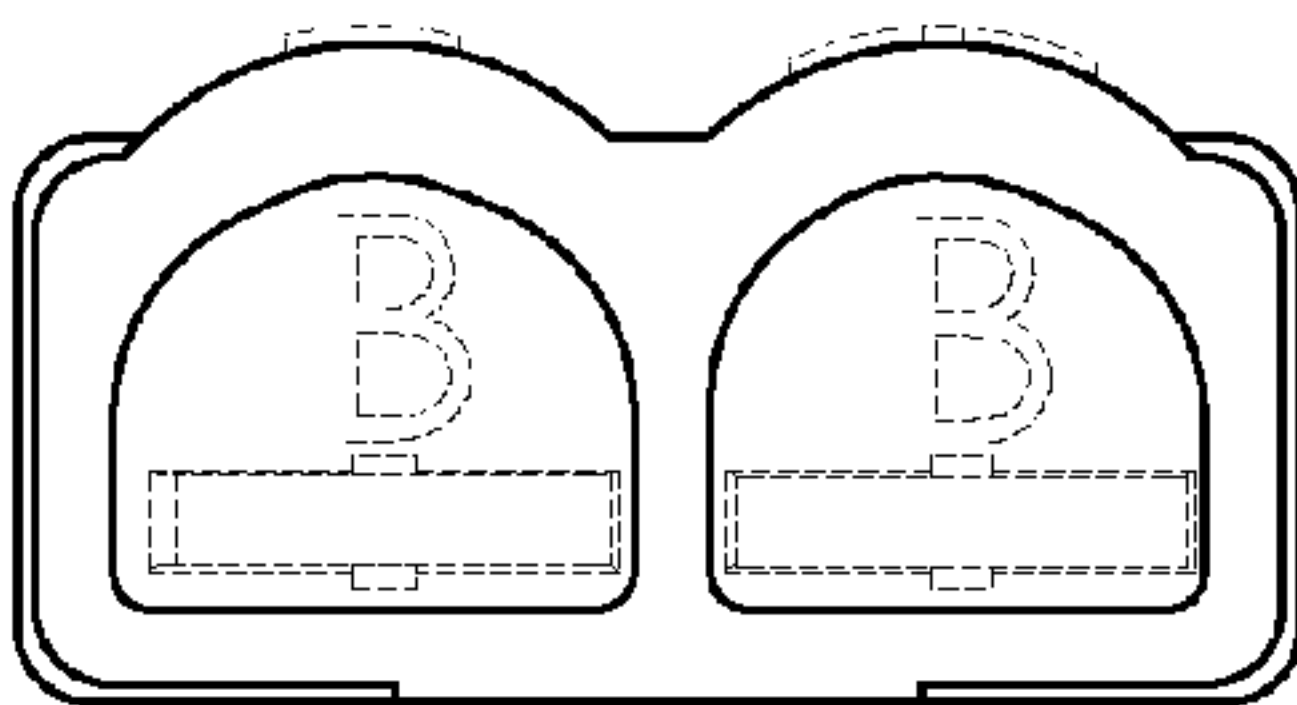


FIG. 4

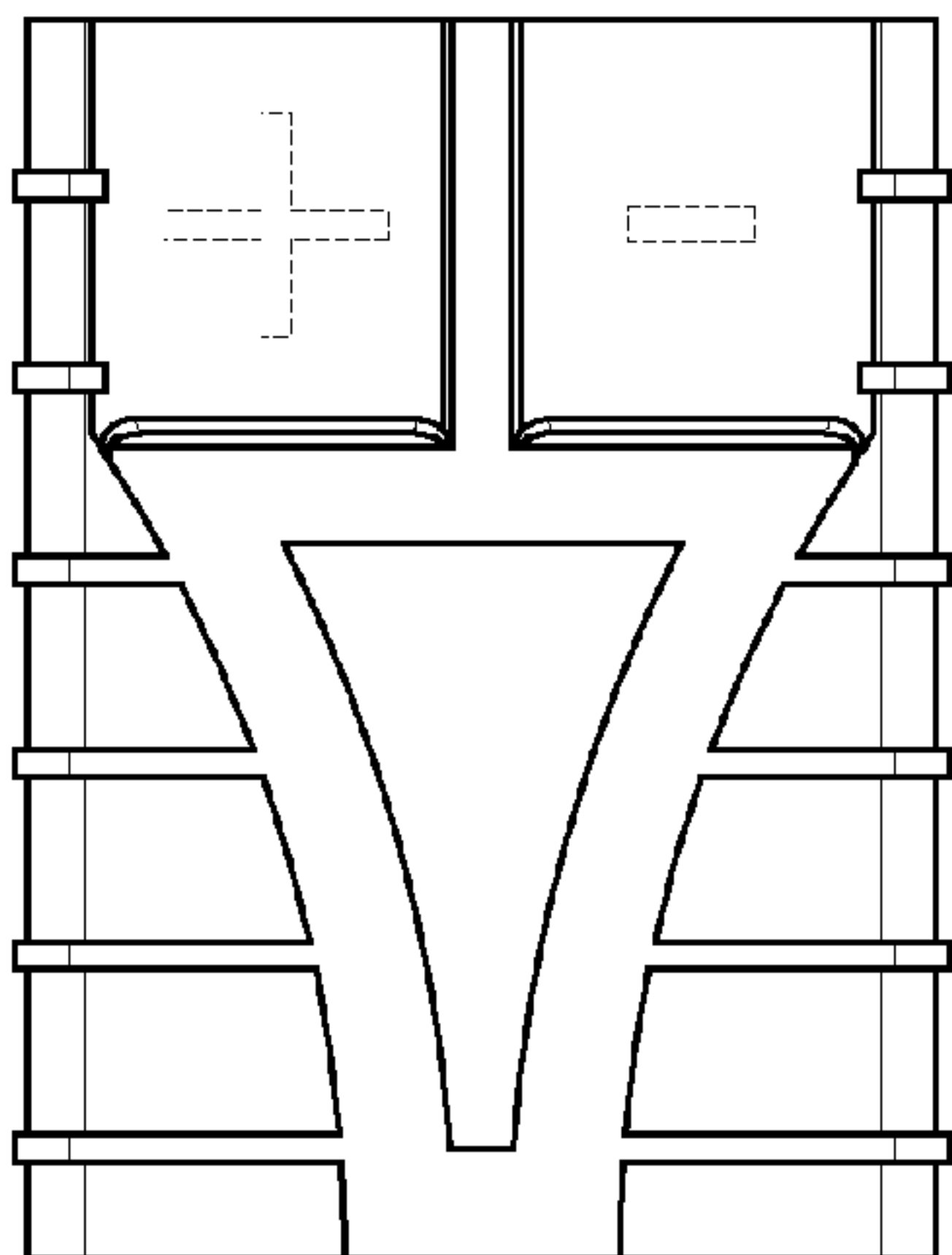


FIG. 5

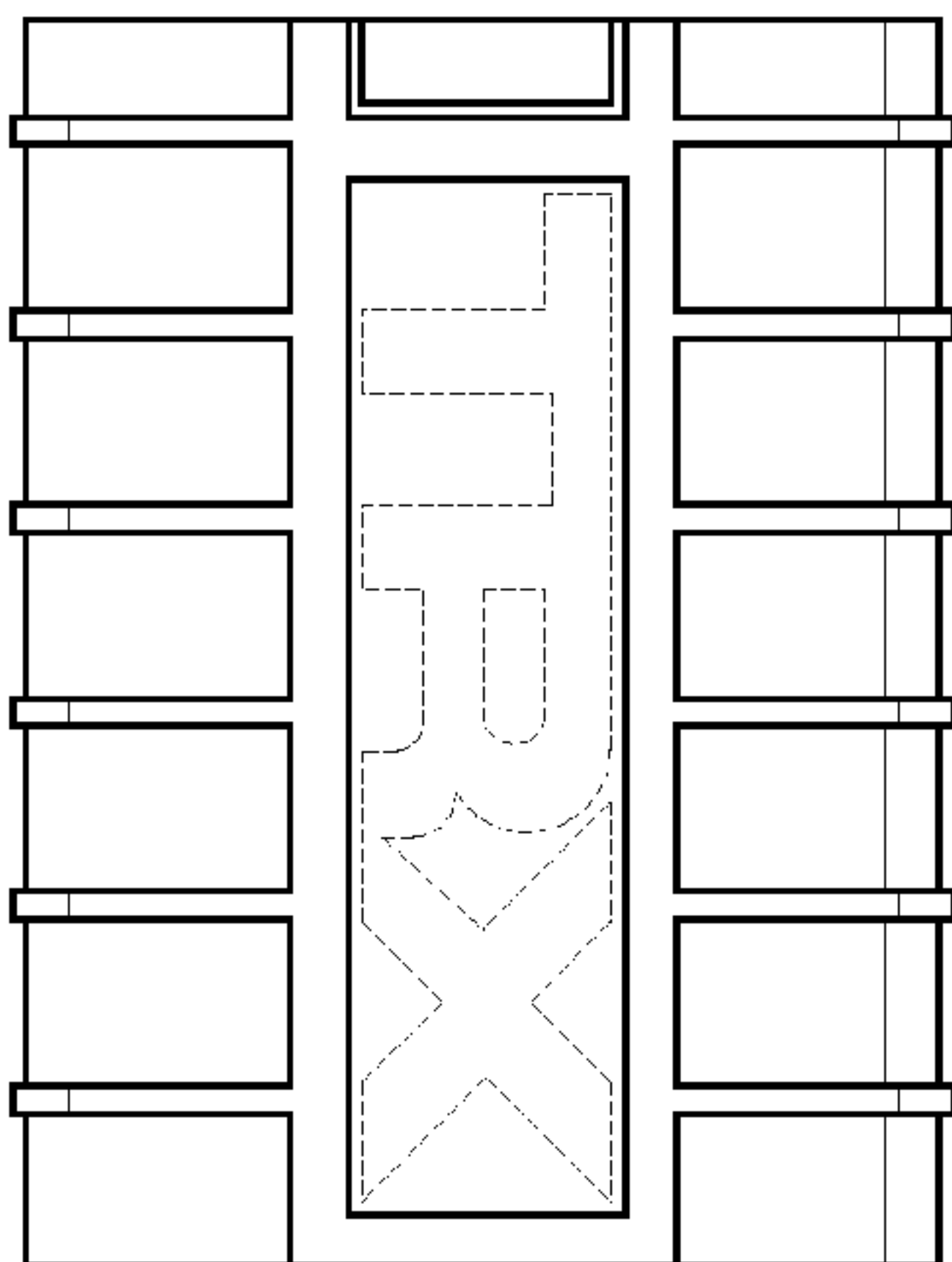


FIG. 6

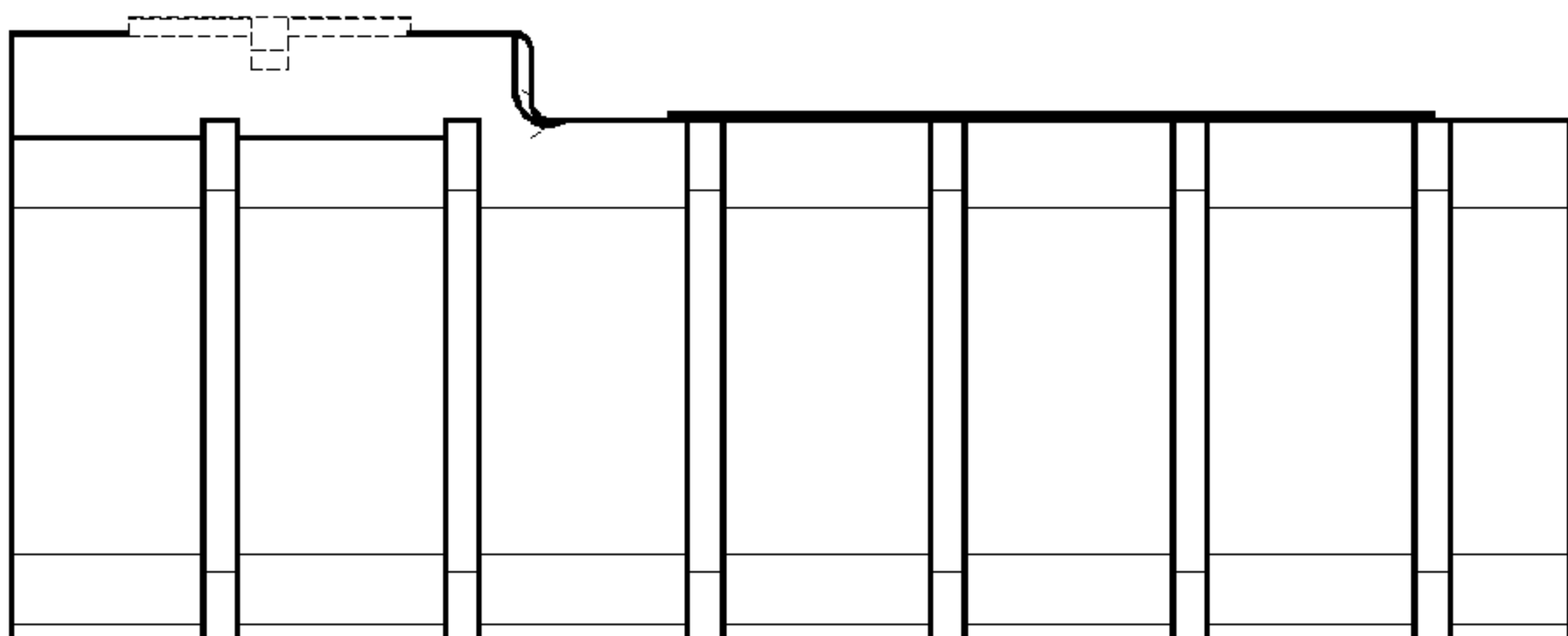


FIG. 7

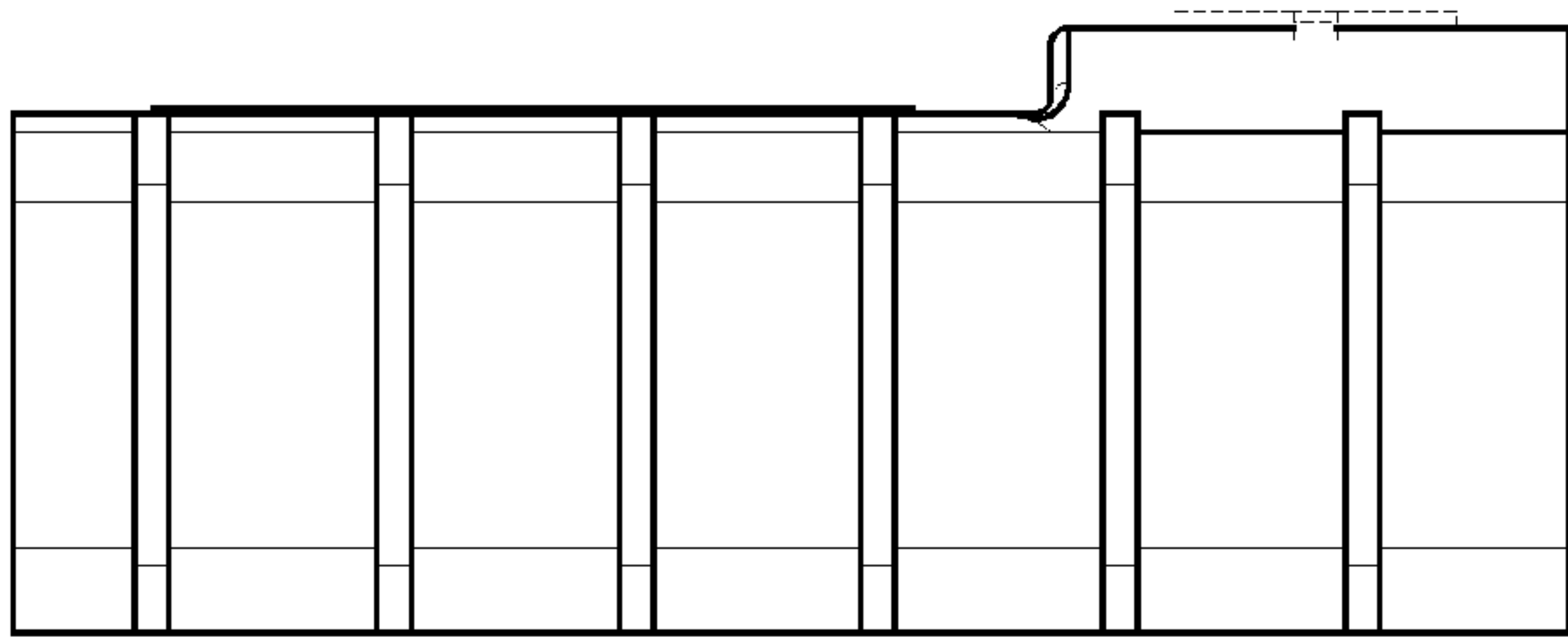


FIG. 8