



US00D804409S

(12) **United States Design Patent** (10) **Patent No.:** **US D804,409 S**  
**Cho et al.** (45) **Date of Patent:** **\*\* Dec. 5, 2017**

(54) **MOBILE PHONE WITH BATTERY**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

CN 303691766 \* 6/2016  
KR 300630650.0000 \* 2/2012  
KR 300630659.0000 \* 2/2012

(72) Inventors: **Youngjoo Cho**, Seoul (KR); **Youngho Kim**, Seoul (KR); **Hyon Kim**, Seoul (KR)

OTHER PUBLICATIONS

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

Android Community. <URL: <https://androidcommunity.com/new-lg-g5-and-friends-shown-off-in-official-product-videos-20160222/>> Feb. 22, 2016. LG modular phone battery.\*

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

(Continued)

(21) Appl. No.: **29/565,788**

*Primary Examiner* — Bridget L Eland

(22) Filed: **May 24, 2016**

*Assistant Examiner* — Lauren McVey

(30) **Foreign Application Priority Data**

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

Nov. 25, 2015 (KR) ..... 30-2015-0059397

(51) **LOC (10) Cl.** ..... **13-02**

(57) **CLAIM**

(52) **U.S. Cl.**

USPC ..... **D13/103**; D14/248

The ornamental design for a mobile phone with battery, as shown and described.

(58) **Field of Classification Search**

USPC ..... D13/103, 108; D14/138 R, 138 AA, D14/138 AB, 138 AC, 138 C, 341, 432, D14/138 G, 239, 496, 203.3, 138 AD, D14/248; D20/10

**DESCRIPTION**

CPC ..... G06F 1/1601; G06F 1/16; G06F 3/037; G06F 3/0481; G06F 1/1632; G06F 3/1423; F16M 11/10; H04B 1/3883; H01M 2/0404; H01M 2/026

See application file for complete search history.

FIG. 1 is a perspective view of a mobile phone with battery showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is another front view thereof, shown with environment.

(56) **References Cited**

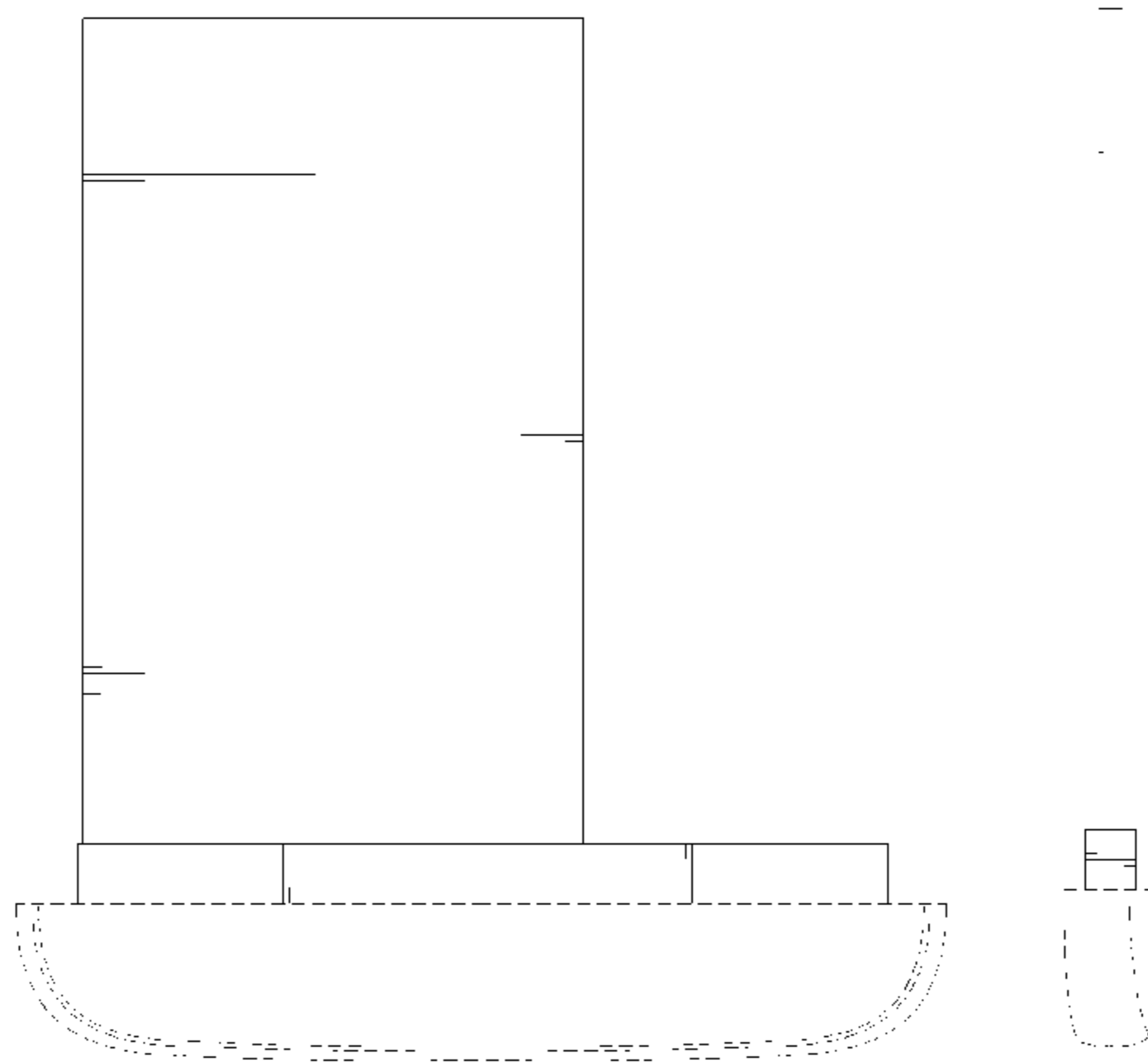
U.S. PATENT DOCUMENTS

D328,733 S \* 8/1992 Seymour ..... D13/103  
D331,566 S \* 12/1992 Seymour ..... D13/103  
D349,095 S \* 7/1994 Gorenz, Jr. .... D13/103  
D349,882 S \* 8/1994 Johnson ..... D13/103  
D367,640 S \* 3/1996 Nagele ..... D13/103  
6,456,039 B1 \* 9/2002 Lauper ..... G06K 19/07758  
320/107

The dash-dot broken lines represent the bounds of the claimed design, while all other broken lines are directed to environment; the broken lines form no part of the claimed design.

(Continued)

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D481,008 S \* 10/2003 Wade ..... D13/103  
D492,248 S \* 6/2004 Gregory ..... D13/103  
D520,444 S \* 5/2006 Liu ..... D13/103  
D521,445 S \* 5/2006 Liu ..... D13/103  
D521,446 S \* 5/2006 Liu ..... D13/103  
D539,851 S \* 4/2007 Dixon ..... D20/15  
D600,640 S \* 9/2009 Stein ..... D13/103  
D601,955 S \* 10/2009 Ekmekdje ..... D13/102  
D681,584 S \* 5/2013 Sung ..... D14/138 G  
D687,002 S \* 7/2013 Song ..... D14/138 G  
D709,442 S \* 7/2014 Kwon ..... D13/103  
D721,346 S \* 1/2015 Lee ..... D14/138 G  
D724,533 S \* 3/2015 Kwon ..... D13/103  
D737,234 S \* 8/2015 Kim ..... D14/126  
D741,279 S \* 10/2015 Tai ..... D14/138 G  
D751,983 S \* 3/2016 Lin ..... D13/103

D769,810 S \* 10/2016 Lin ..... D13/103  
D788,030 S \* 5/2017 Park ..... D13/103  
9,692,864 B1 \* 6/2017 Arikat ..... H04M 1/21  
2006/0164031 A1 \* 7/2006 Leem ..... H01M 2/1066  
320/101

OTHER PUBLICATIONS

TechCrunch. <URL: <https://techcrunch.com/2016/02/21/lg-announces-modular-android-phone-vr-headset/>> Feb. 21, 2016. LG modular phone battery.\*  
BBC News. <URL: <http://www.bbc.com/news/technology-35623823>> Feb. 21, 2016. LG G5 smartphone modules.\*  
Water Feature Supply. <URL: [http://www.waterfeaturesupply.com/custom-waterfall-gallery/pages/campbell\\_fullpage2.ht](http://www.waterfeaturesupply.com/custom-waterfall-gallery/pages/campbell_fullpage2.ht)> Visited Jul. 20, 2017. Water fountain.\*

\* cited by examiner

FIG. 1

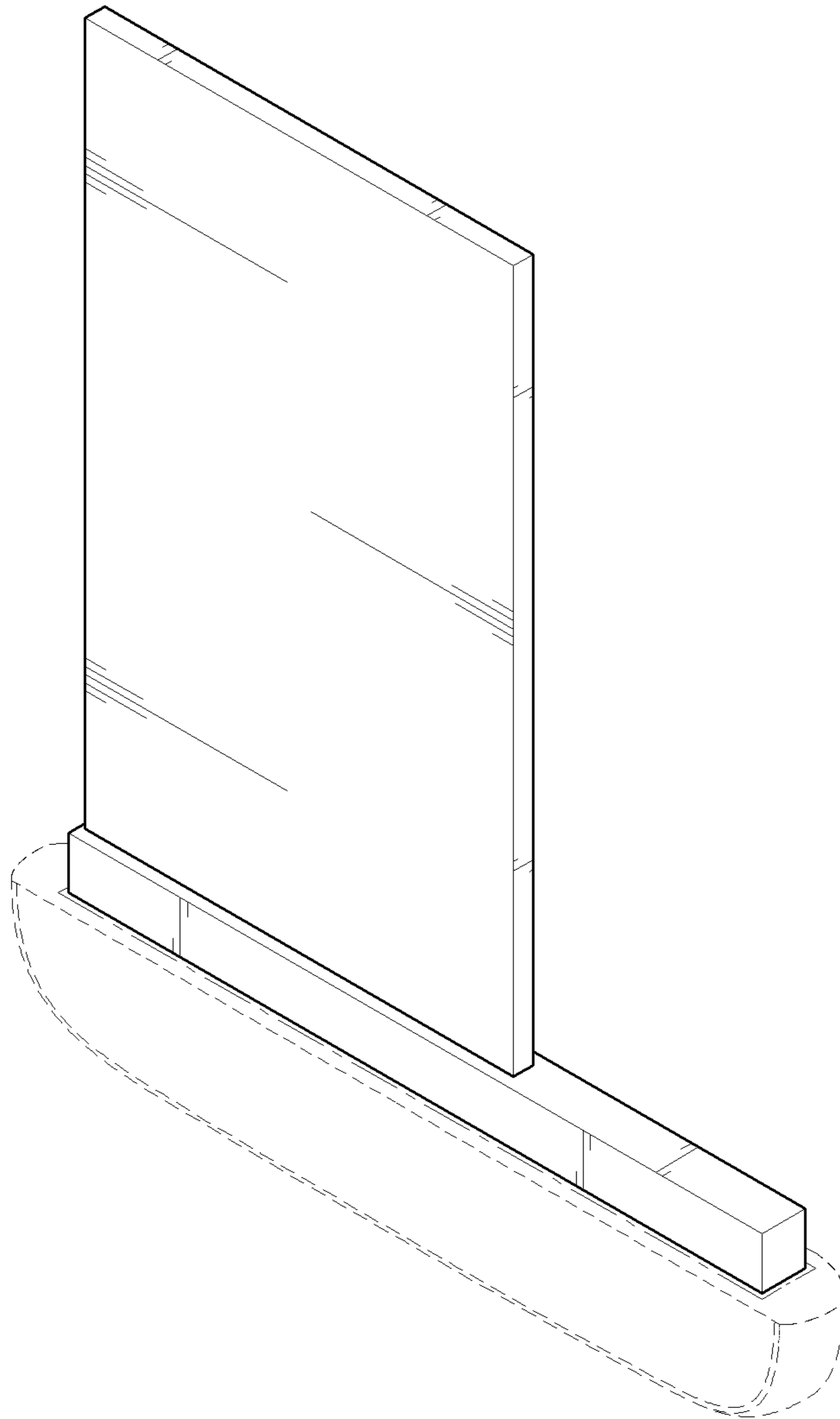


FIG. 2

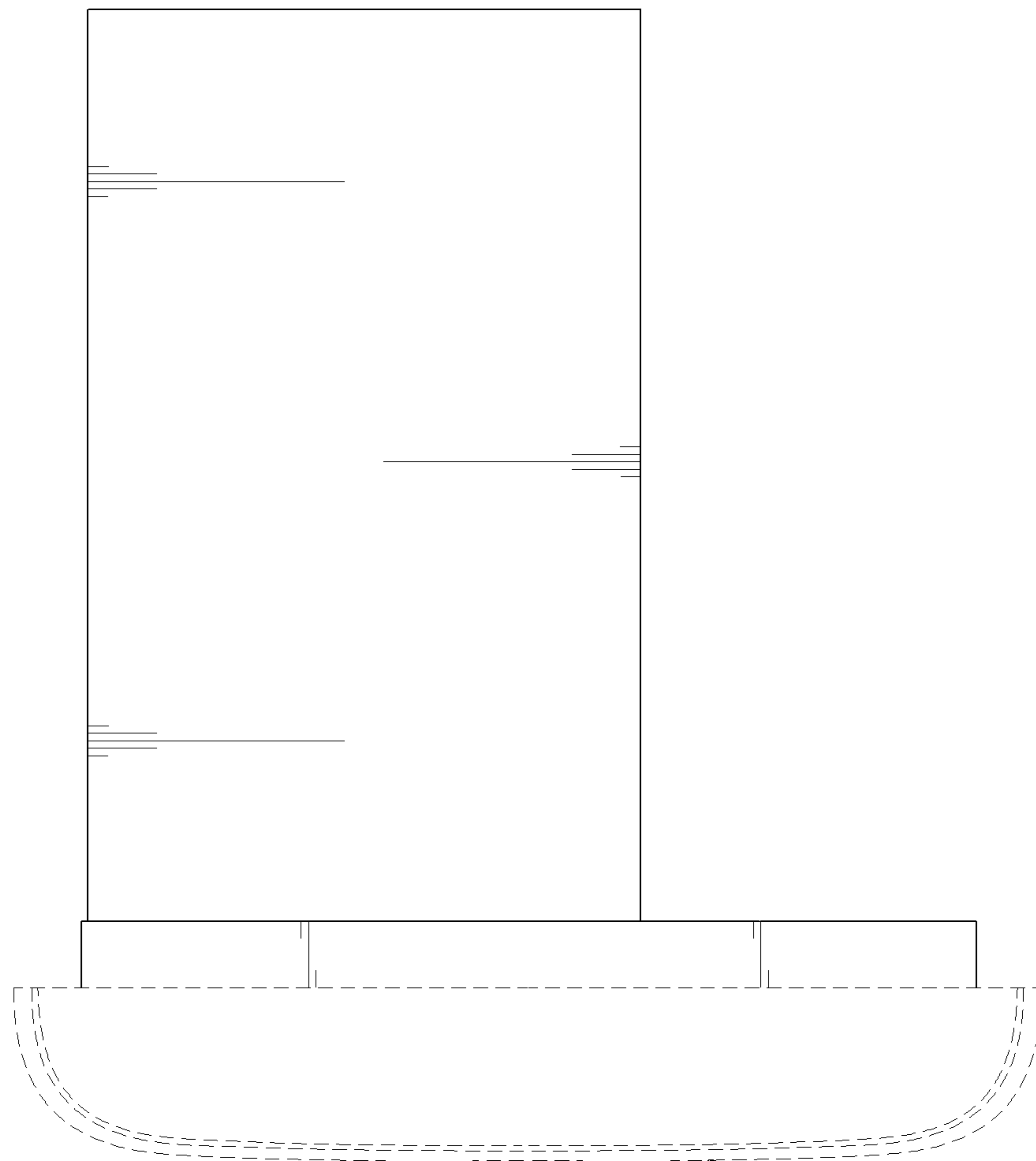


FIG. 3

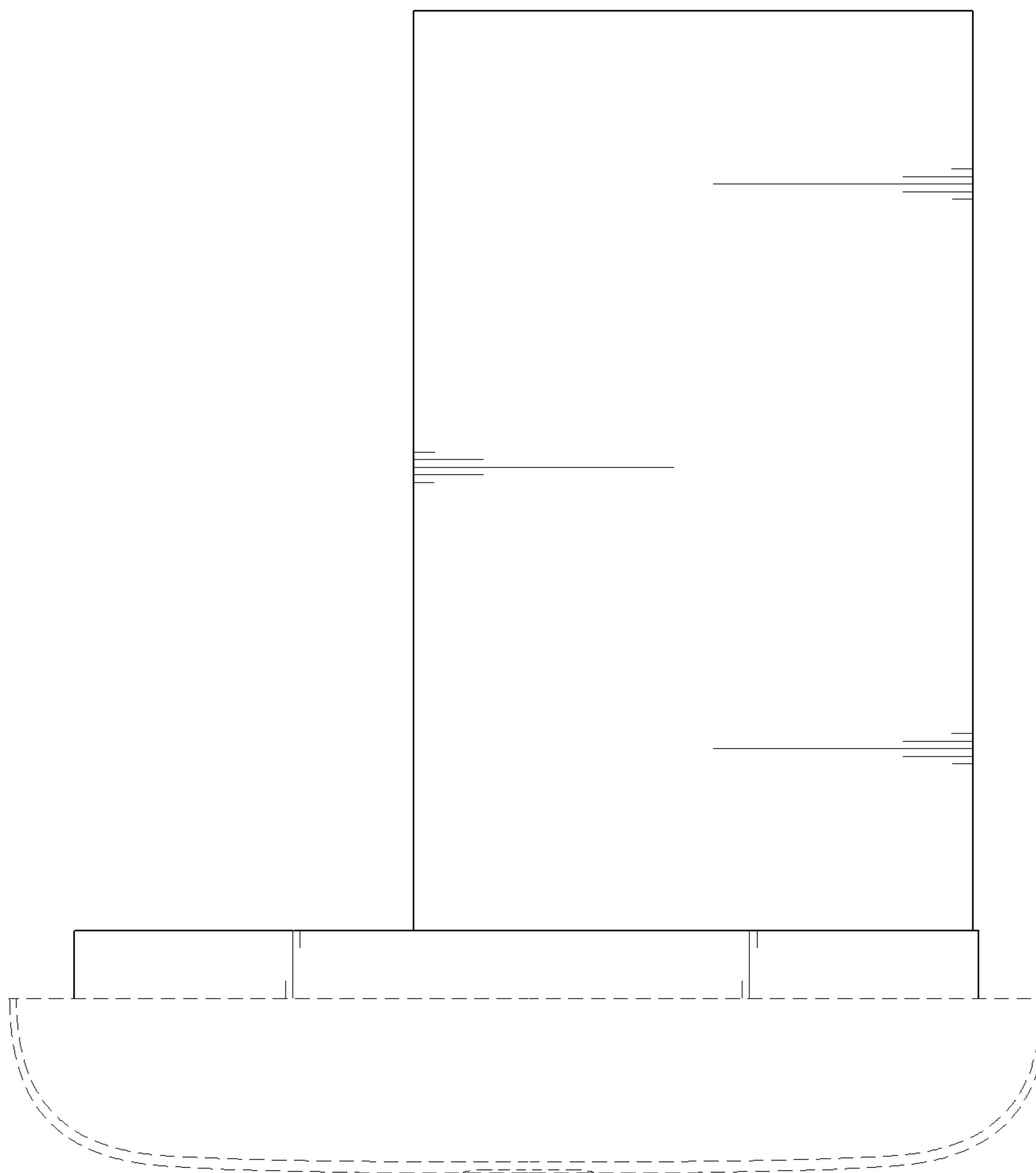


FIG. 4

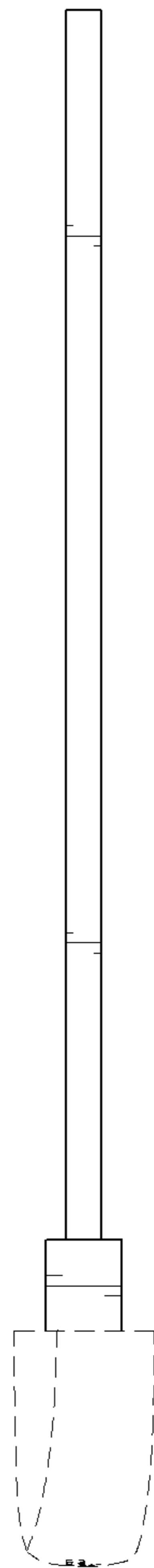


FIG. 5

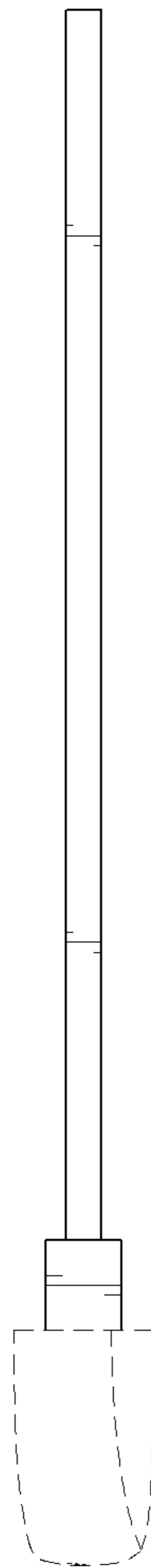


FIG. 6

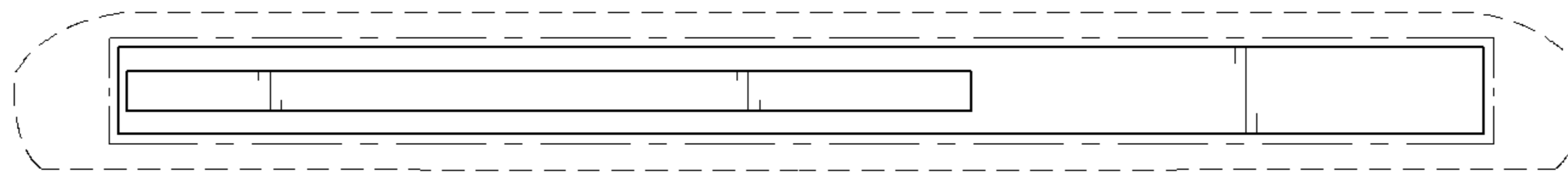


FIG. 7

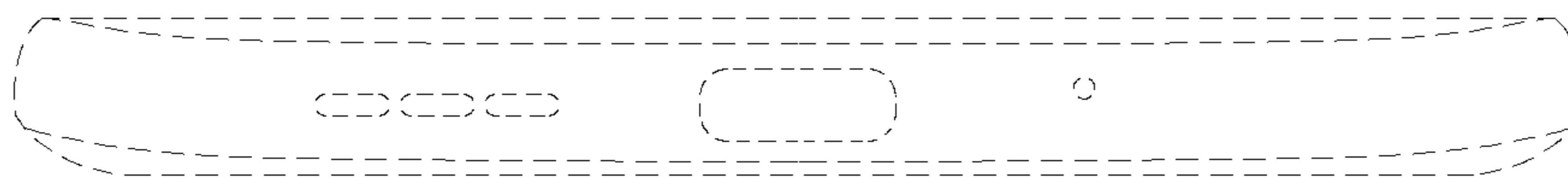




FIG. 8

