



US00D848033S

(12) **United States Design Patent**
Raab

(10) **Patent No.:** **US D848,033 S**
(45) **Date of Patent:** **** May 7, 2019**

(54) **STRUCTURAL PANEL CORE**
(71) Applicant: **The Pro Design Group, Inc.**, Gardena, CA (US)
(72) Inventor: **Christopher A. Raab**, Sunset Beach, CA (US)
(73) Assignee: **The Pro Design Group, Inc.**, Gardena, CA (US)

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

(21) Appl. No.: **29/616,440**

(22) Filed: **Sep. 6, 2017**

(51) **LOC (11) Cl.** **25-01**

(52) **U.S. Cl.**
USPC **D25/138**

(58) **Field of Classification Search**
USPC D25/138, 139, 140, 141, 142, 143, 144, D25/157, 158, 159, 160, 161, 162, 163; 428/119, 120, 147, 158, 159, 163, 166, 428/167, 174, 178, 179, 183, 118, 180, 428/181, 182, 184, 185; D7/587; D9/424, 430, 456, 502, 750, 751, 757, D9/758
CPC ... E04C 2/20; E04C 2/205; E04C 2/30; E04C 2002/3411–2002/3466; E04C 2/296; Y10T 428/24174; Y10T 428/24165; Y10T 428/24264; Y10T 428/24702; Y10T 428/24711; B32B 3/28; B32B 29/08; B65D 65/403
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,000,694 A * 8/1911 Schaefer et al. B65D 85/322 217/26.5
3,011,602 A * 12/1961 Ensrud E04C 2/32 244/123.12

3,911,187 A * 10/1975 Raley B29C 51/22 428/180
4,078,548 A * 3/1978 Kapany F24S 70/25 126/648
4,397,902 A * 8/1983 Resch B65D 85/32 428/119
4,906,508 A * 3/1990 Blankenburg B29D 24/008 428/116
5,348,601 A * 9/1994 Ray B29C 53/22 156/155
5,543,204 A * 8/1996 Ray B32B 3/28 428/179

(Continued)

Primary Examiner — Kevin K Rudzinski

Assistant Examiner — Kimberly Barnes

(74) *Attorney, Agent, or Firm* — Matthew J. Spark; Stefan J. Kirchanski; Zuber Lawler & Del Duca LLP

(57) **CLAIM**

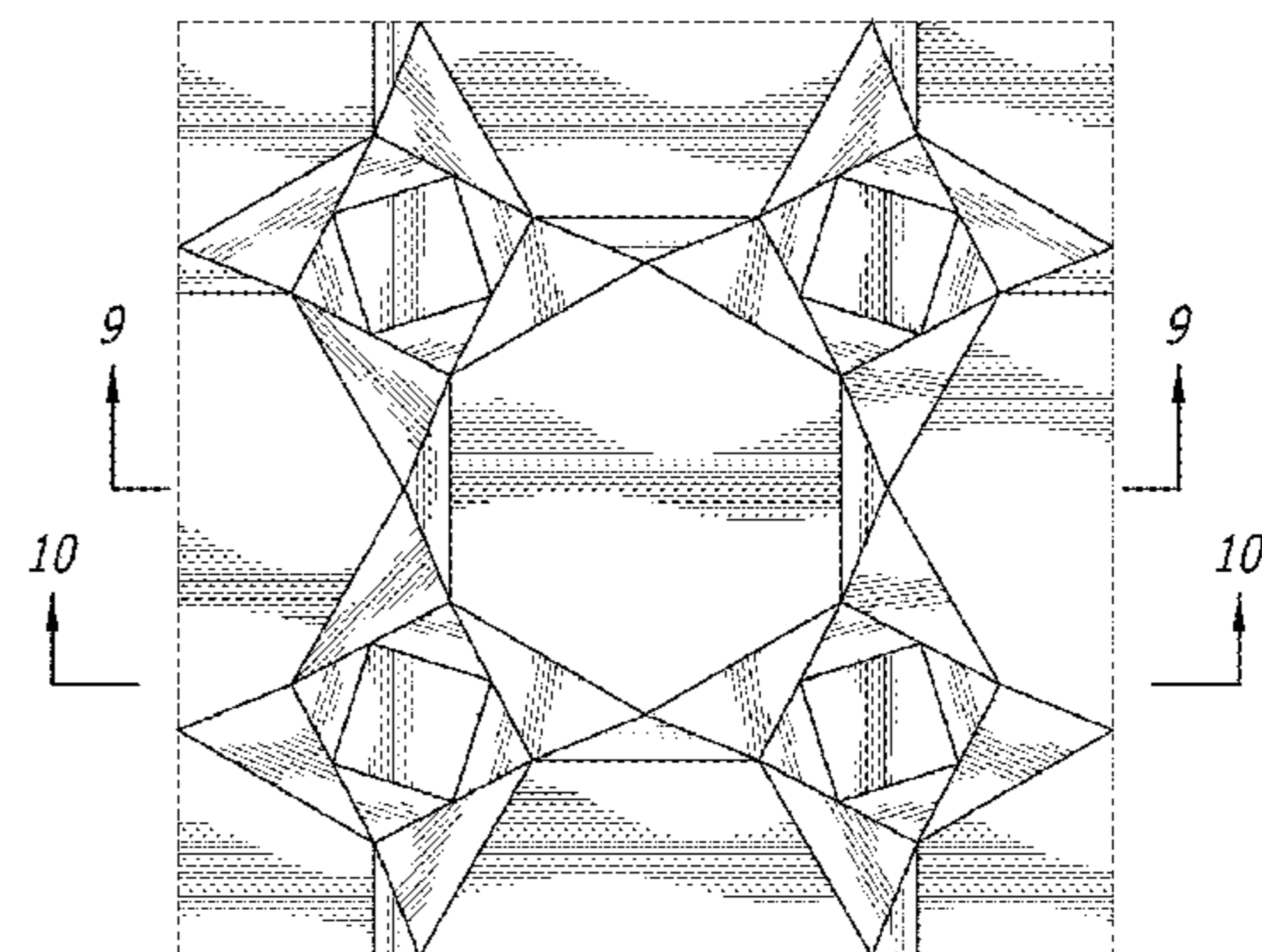
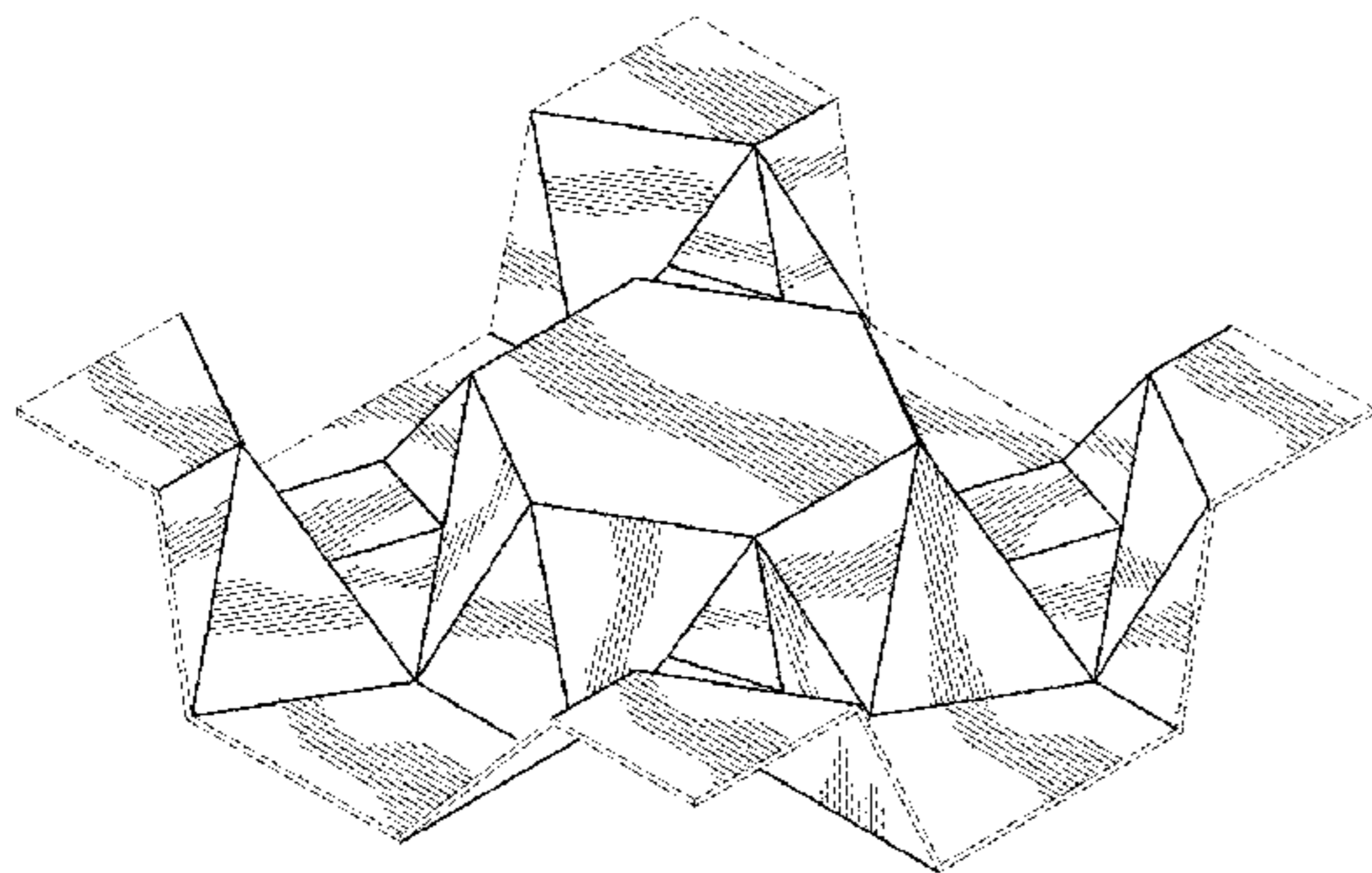
The ornamental design for a structural panel core, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, right side perspective view of a structural panel core showing my new design; FIG. 2 is a top, rear, left side perspective view thereof; FIG. 3 is a front elevation view thereof; FIG. 4 is a rear elevation view thereof; FIG. 5 is a left side elevation view thereof; FIG. 6 is a right side elevation view thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; FIG. 9 is a cross-sectional view taken along line 9-9 of FIG. 7; and, FIG. 10 is a cross-sectional view taken along line 10-10 of FIG. 7.

The broken lines around the perimeters of the drawings depict portions of the structural panel core that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,541,085 B2 * 6/2009 Burdon B29D 99/0021
156/60
7,753,254 B2 * 7/2010 Straza B23K 1/0008
228/193
D668,117 S * 10/2012 Shimizu D14/441
2007/0015000 A1 * 1/2007 Burdon B29D 99/0021
428/593
2011/0244213 A1 * 10/2011 Jones B29C 44/083
428/304.4
2017/0284094 A1 * 10/2017 Kim E04B 1/90
2019/0017270 A1 * 1/2019 Raab E04C 2/296

* cited by examiner

FIG. 1

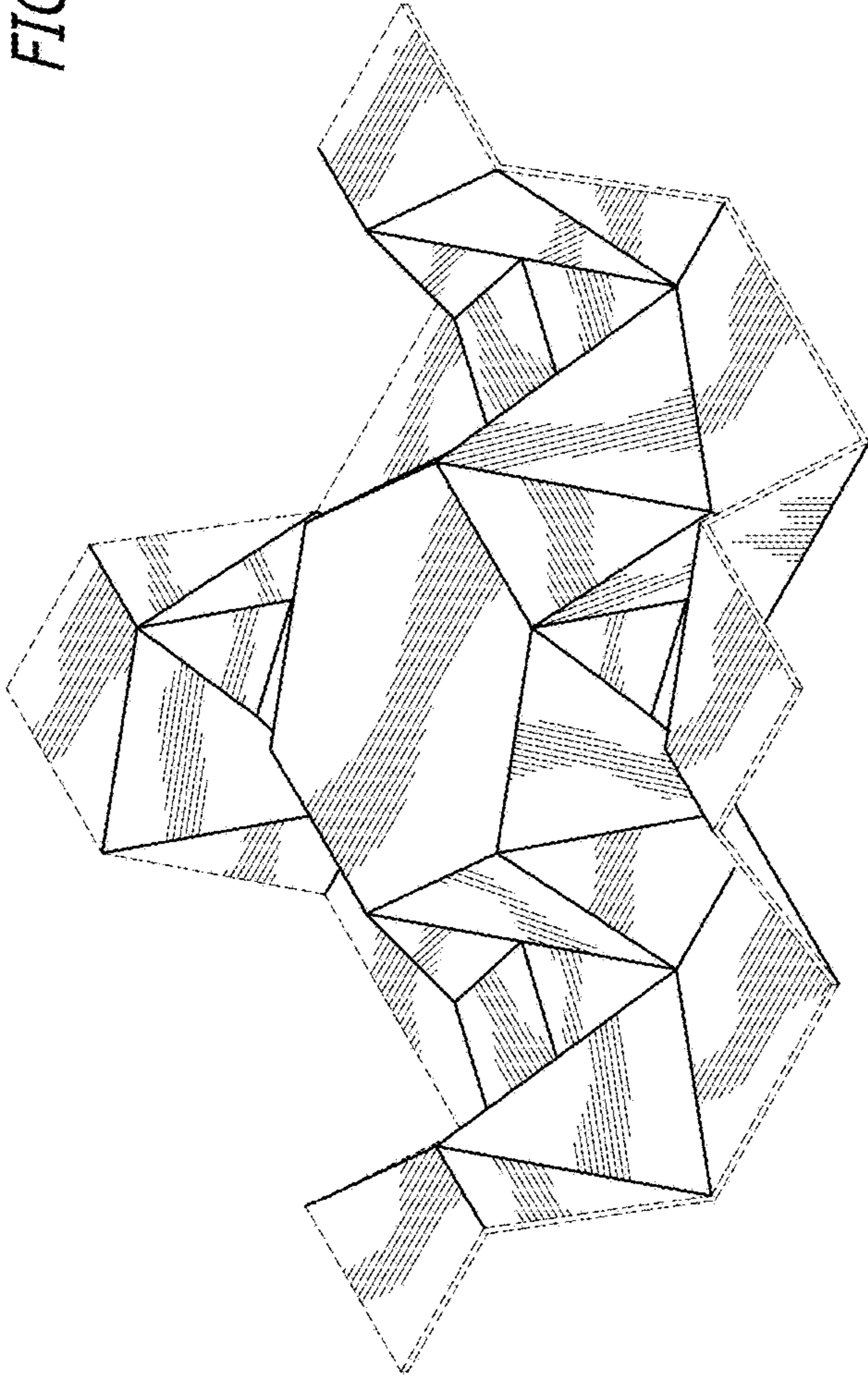


FIG. 2

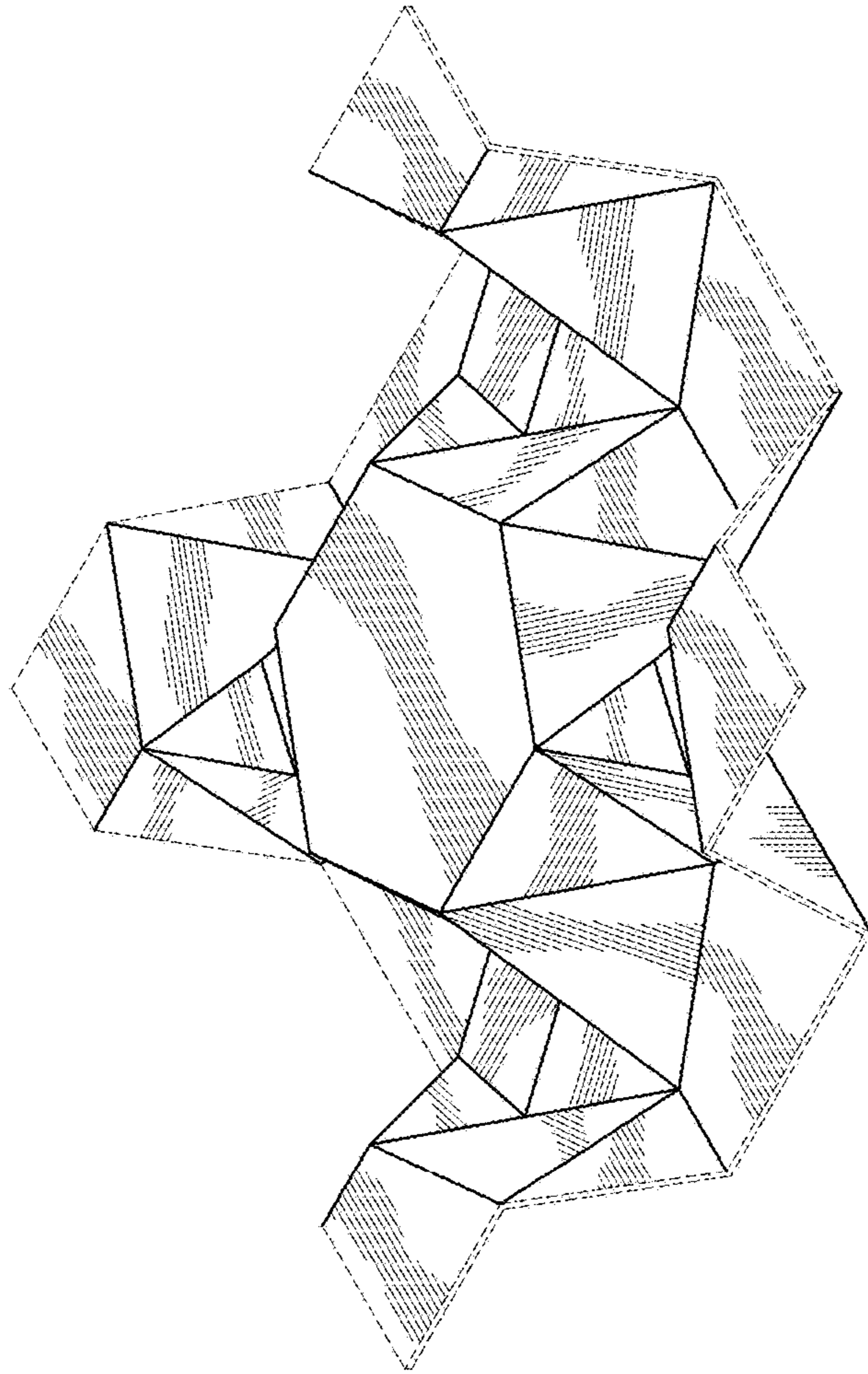


FIG. 3

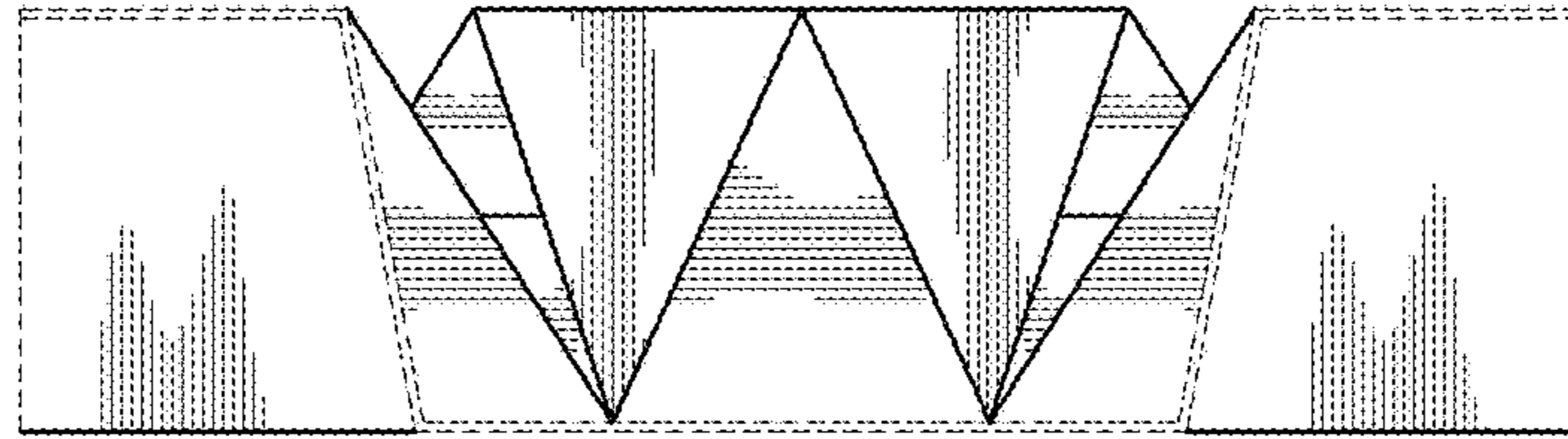


FIG. 4

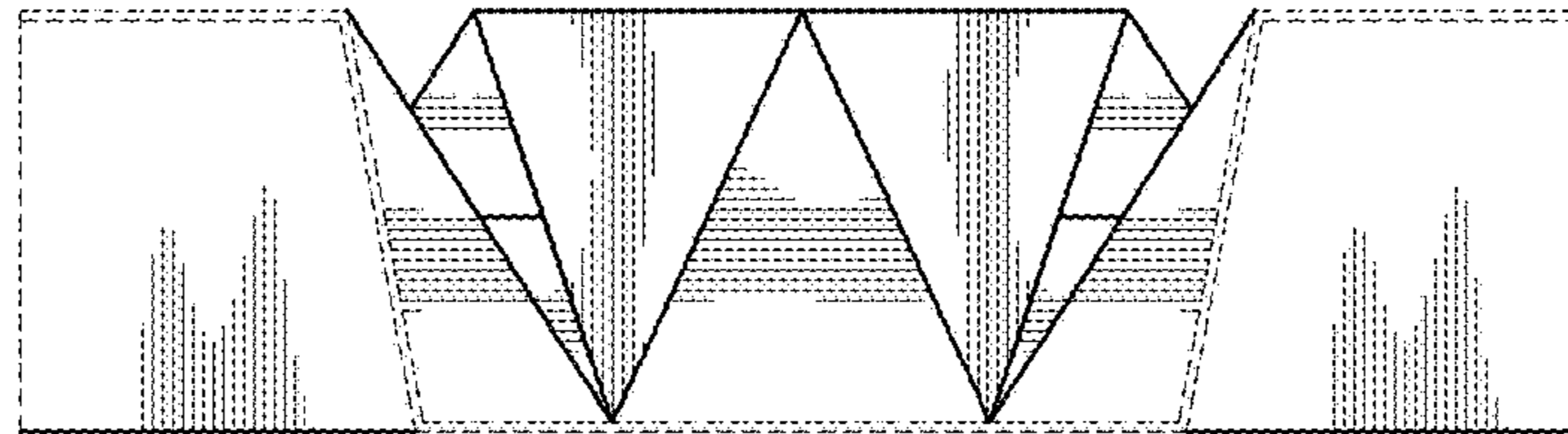


FIG. 5

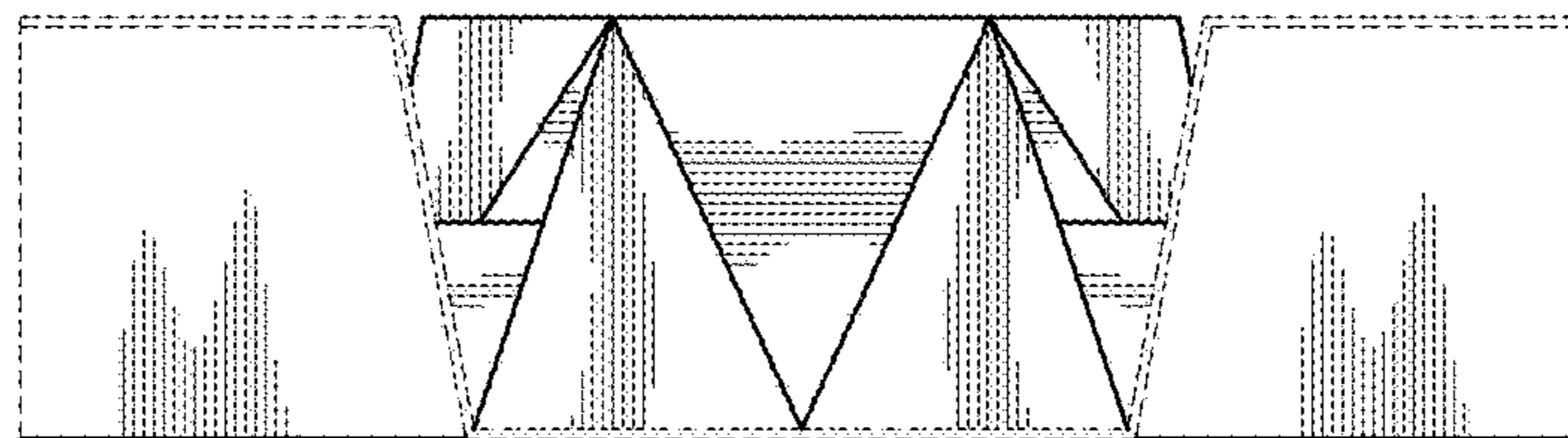
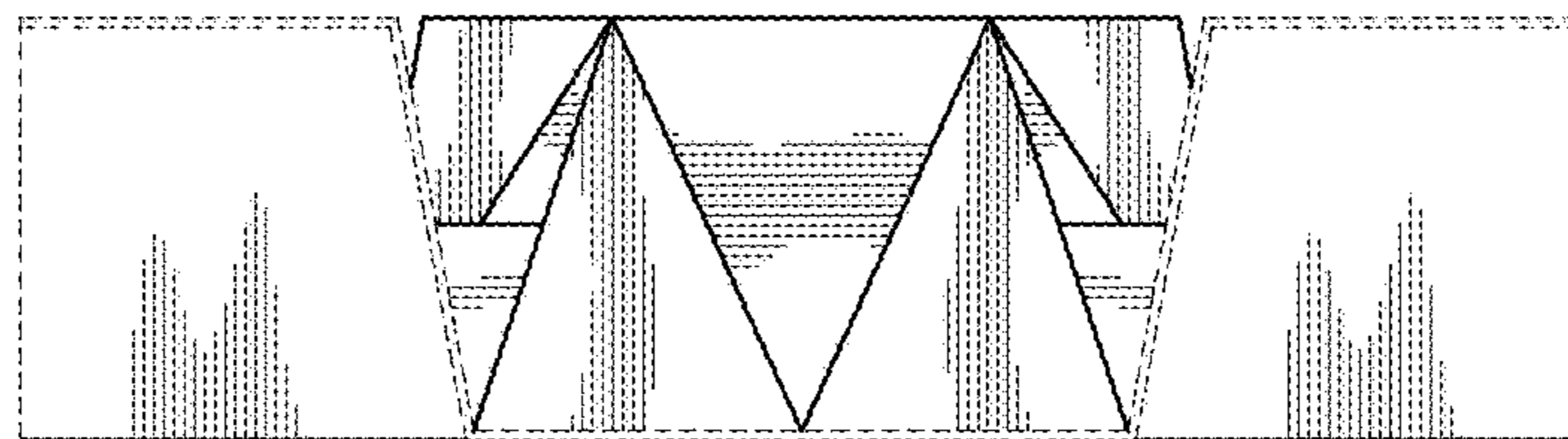


FIG. 6



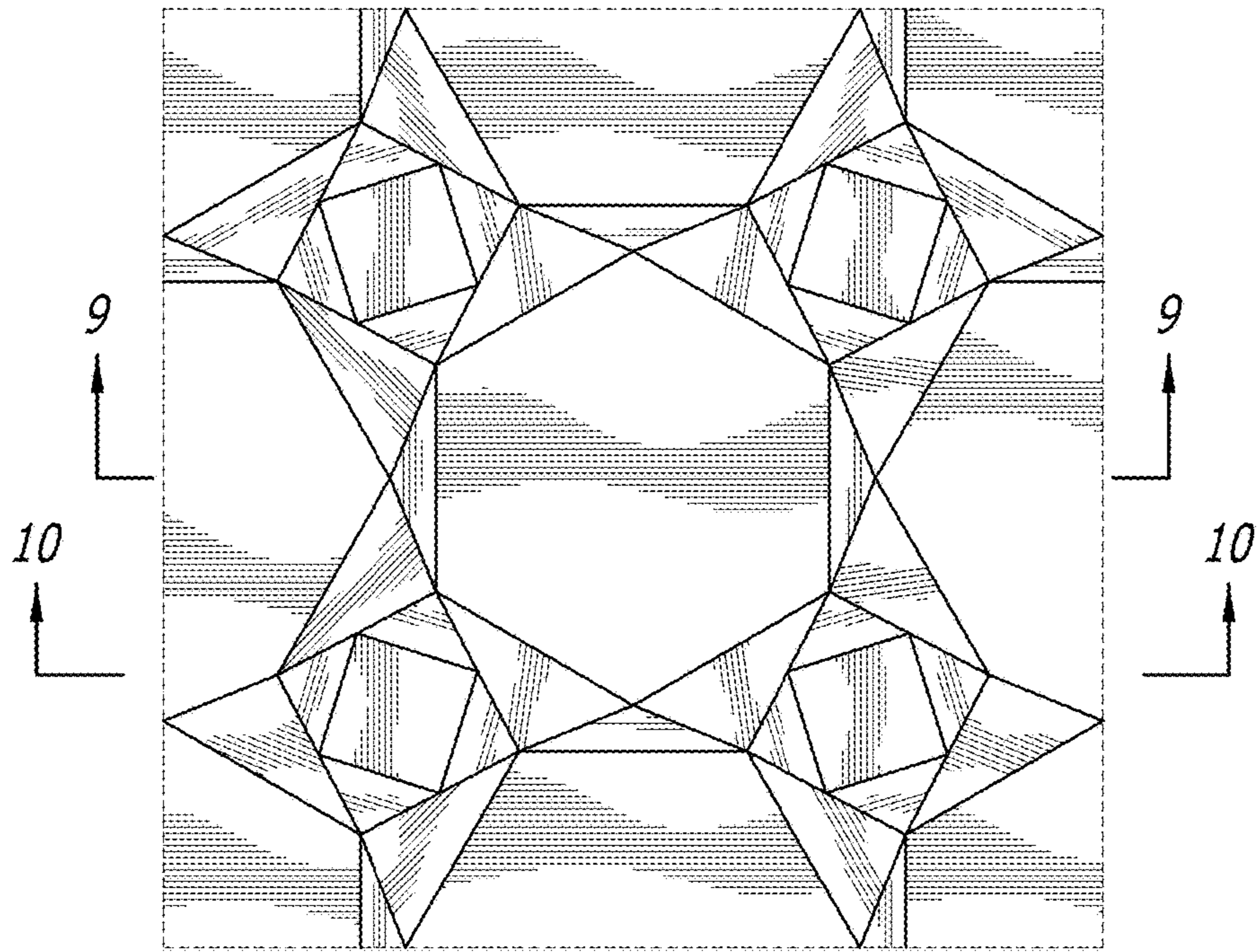


FIG. 7

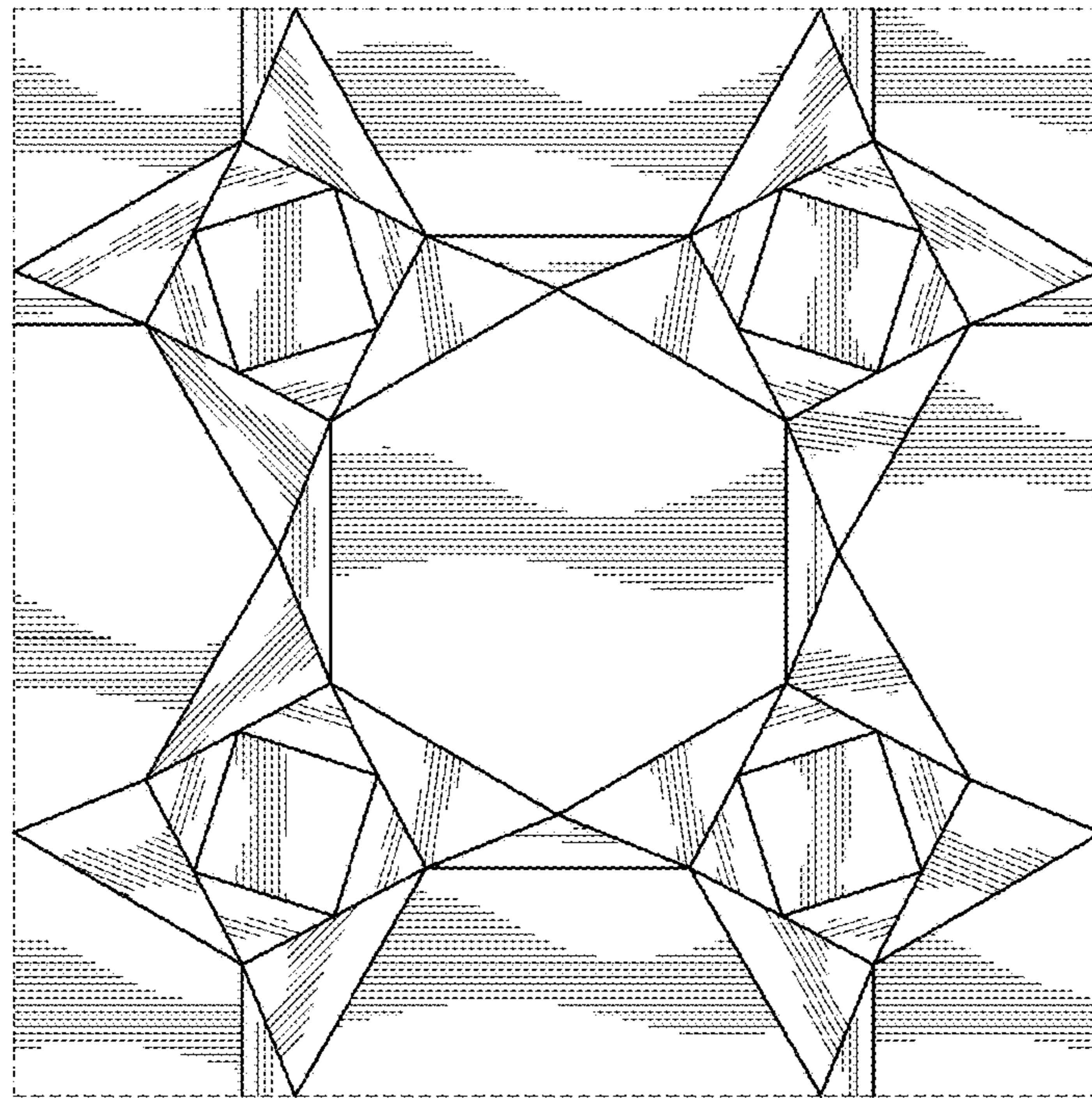


FIG. 8

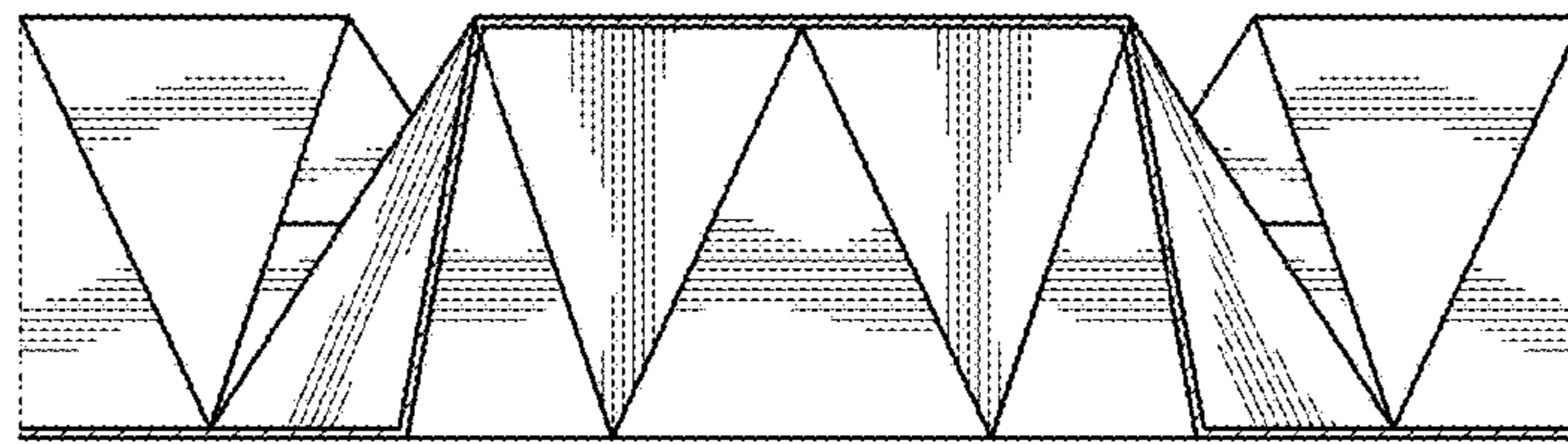


FIG. 9

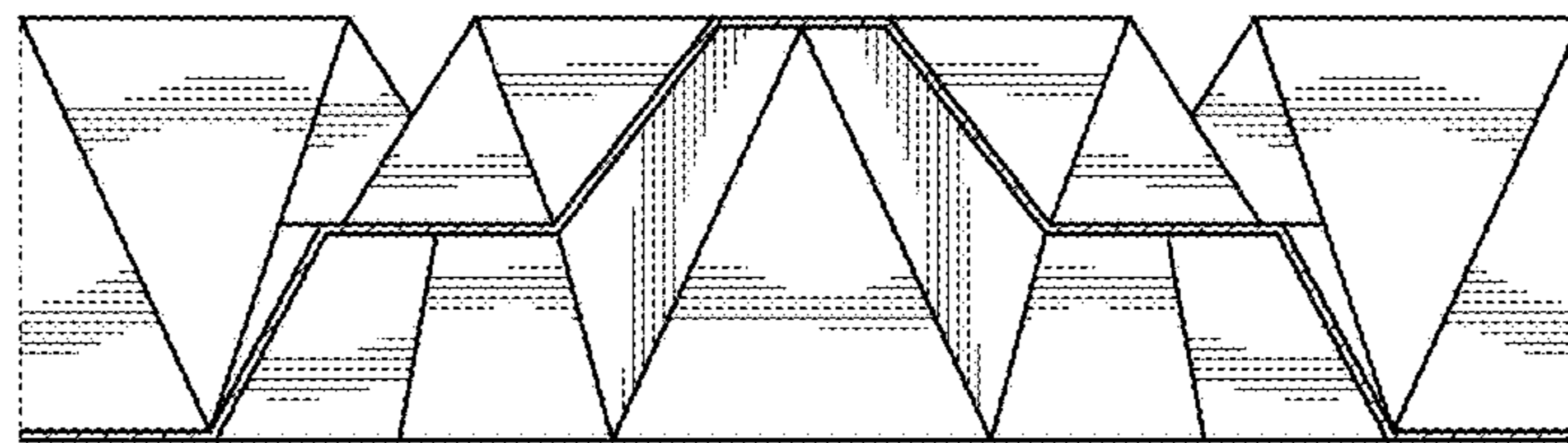


FIG. 10