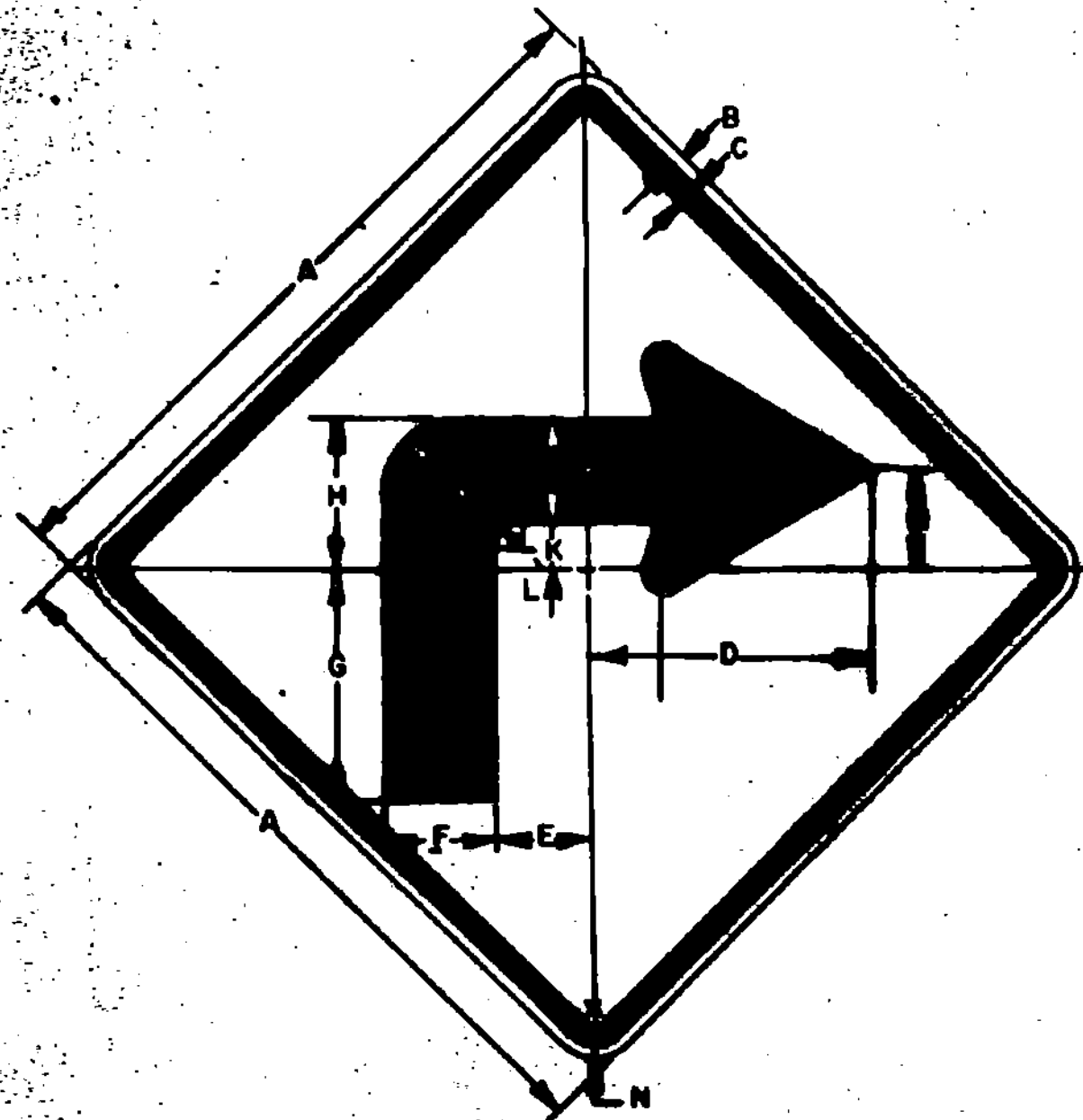
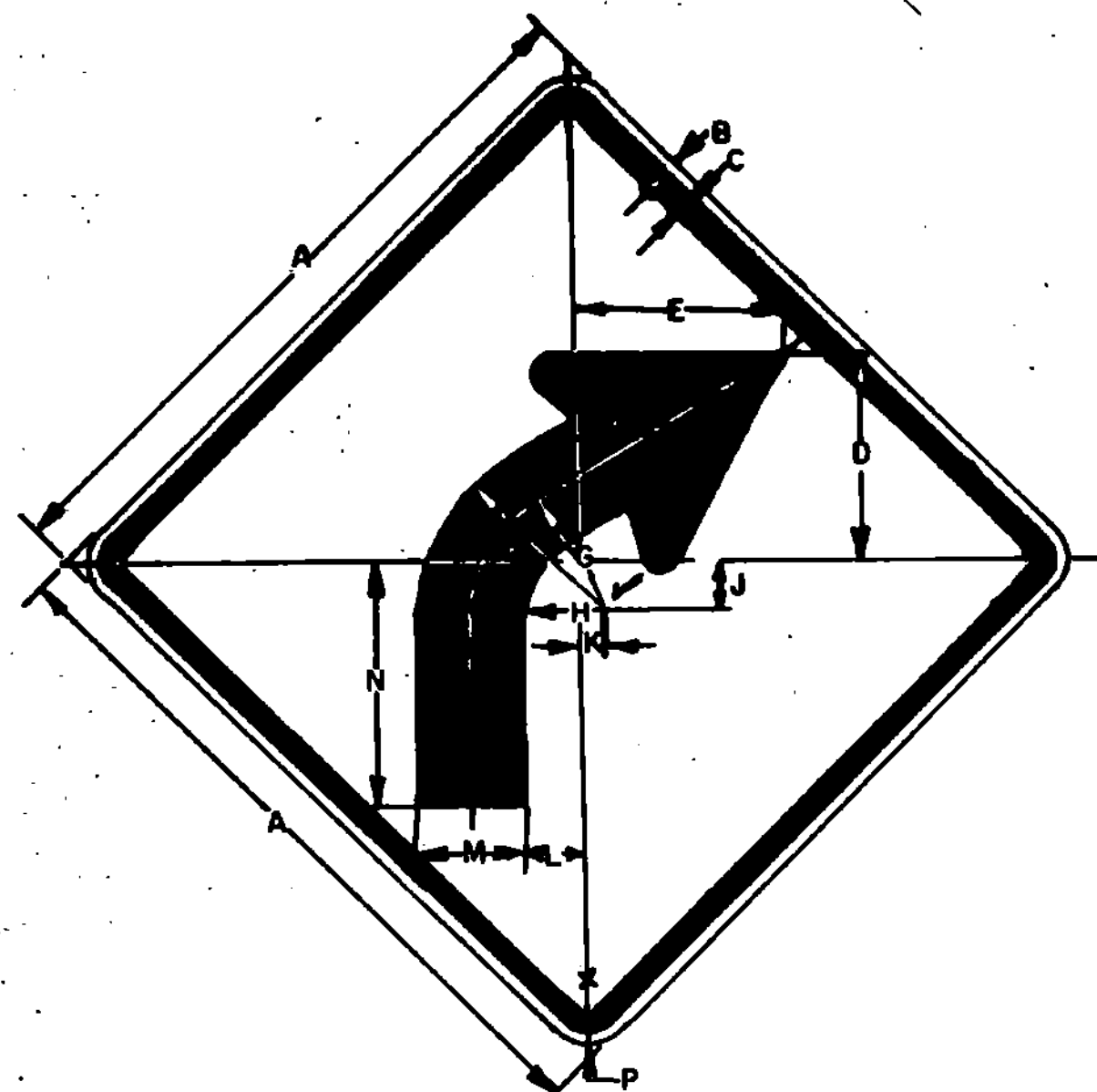
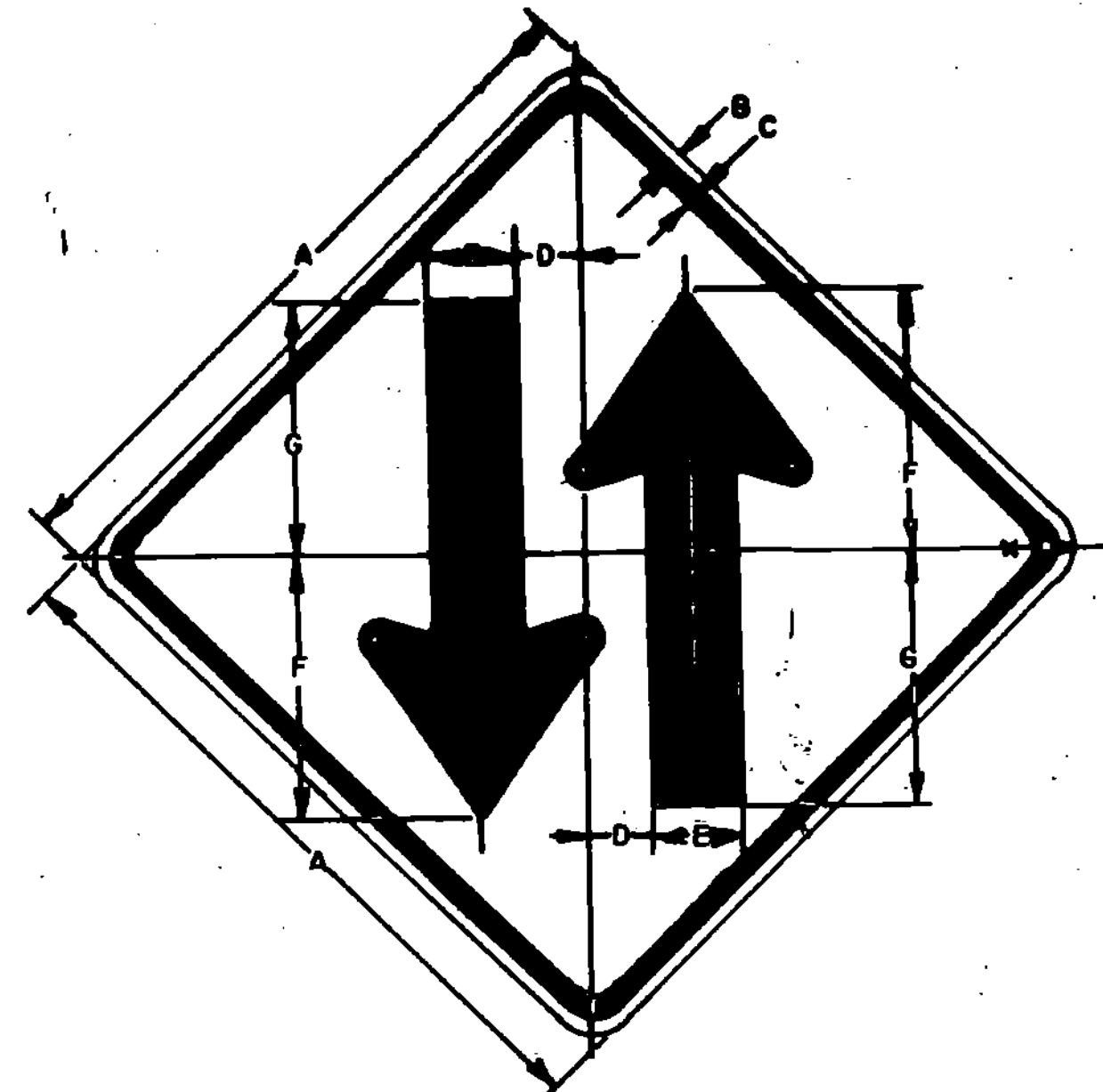




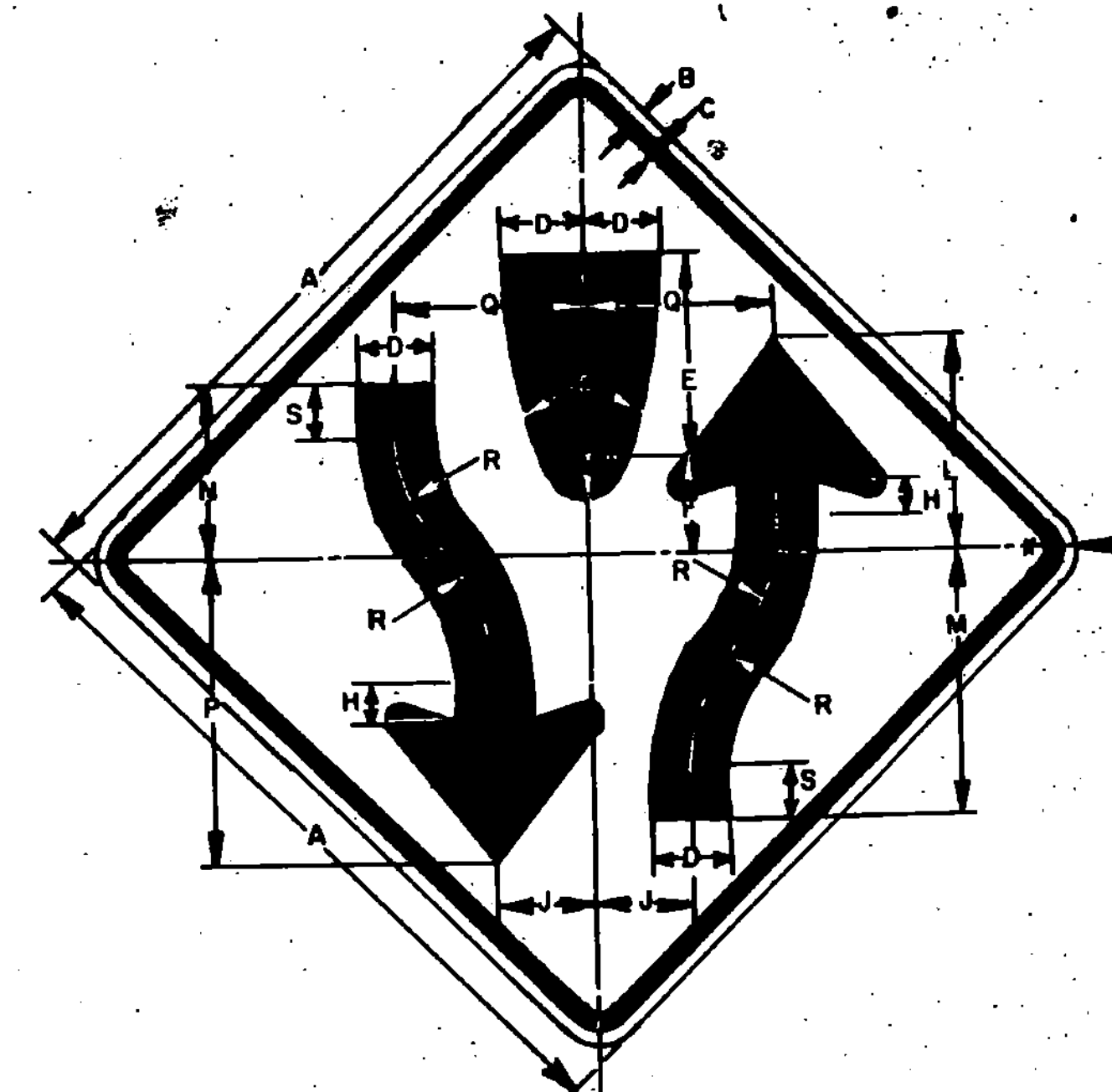
| SIGN    | A  | B   | C     | D      | E     | F     | G      | H     | I     | J     | K     | L     | M     | N |
|---------|----|-----|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|---|
| MIN.    | 18 | 3/8 | 5/8   | 7-1/4  | 2-1/4 | 2-5/8 | 5-7/8  | 3-3/4 | 1-5/8 | 5/8   | 2-1/2 | 1-1/2 |       |   |
| STD.    | 24 | 3/8 | 5/8   | 9-5/8  | 3     | 3-1/2 | 7-3/4  | 8     | 2-1/8 | 1-1/8 | 13/8  | 3-1/4 | 1-1/2 |   |
| EXPWY.  | 30 | 1/2 | 3/4   | 12     | 3-3/4 | 4-3/8 | 9-11/8 | 9-1/8 | 1-7/8 | 1     | 4-1/8 | 1-7/8 |       |   |
| SPECIAL | 48 | 3/4 | 1-1/4 | 19-3/8 | 6     | 7     | 15-1/2 | 15    | 3-1/8 | 1-3/8 | 8-1/2 | 3     |       |   |



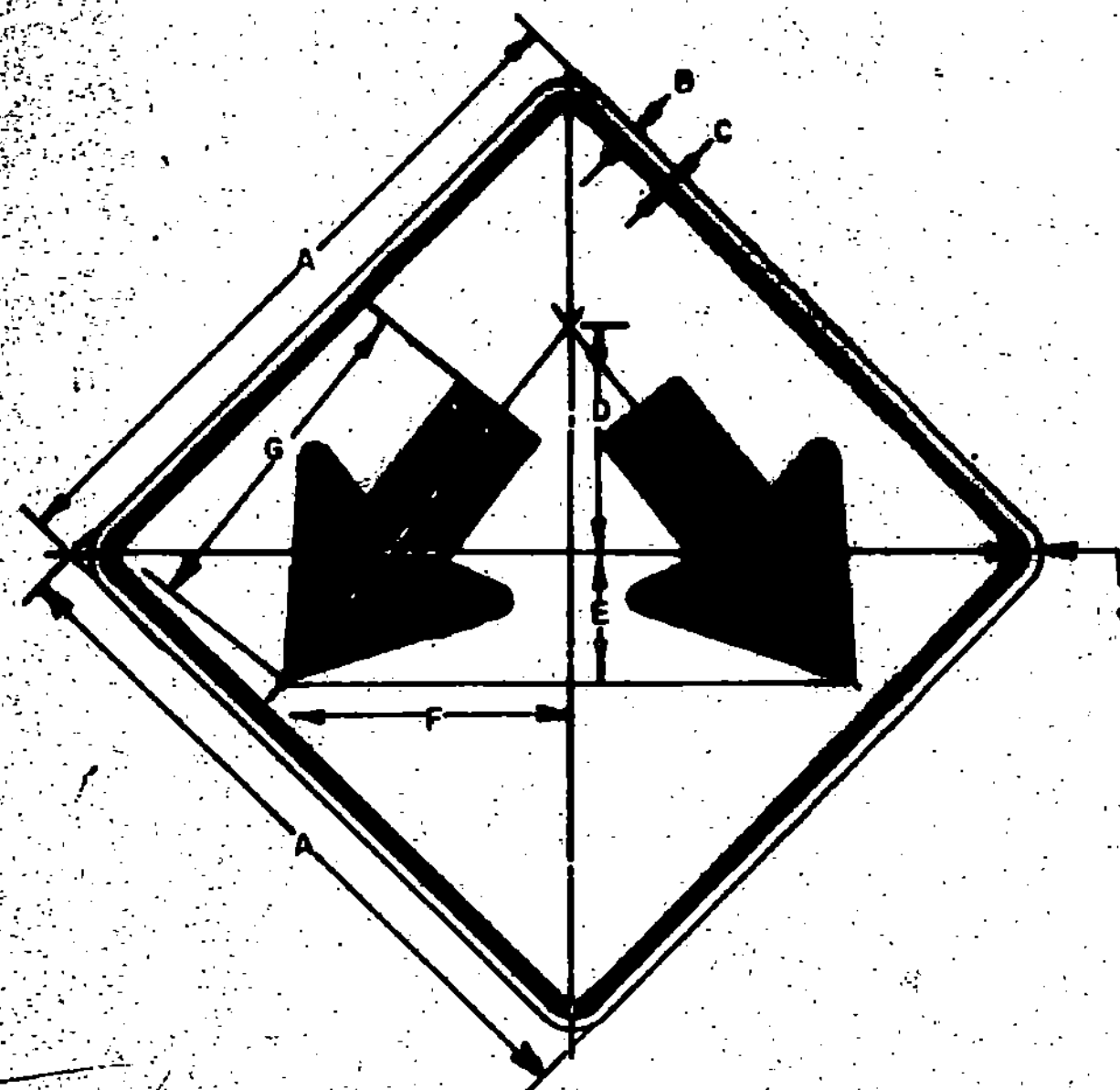
| SIGN   | A  | B   | C     | D      | E      | F  | G       | H     | J       | K      | L      | M     | N       | P     |
|--------|----|-----|-------|--------|--------|----|---------|-------|---------|--------|--------|-------|---------|-------|
| MIN.   | 18 | 3/8 | 5/8   | 5-3/8  | 5-1/2  | 6  | 4-3/4   | 3-3/8 | 1-3/4   | 1-1/4  | 2      | 2-5/8 | 6-1/4   | 1-1/2 |
| STD.   | 24 | 3/8 | 5/8   | 7-1/8  | 7-1/4  | 8  | 6-1/4   | 4-1/2 | 2-11/32 | 1-3/4  | 2-3/4  | 3-1/2 | 8-1/4   | 1-1/2 |
| EXPWY. | 30 | 1/2 | 3/4   | 8-7/8  | 9-1/8  | 10 | 7-13/16 | 5-5/8 | 2-5/16  | 2-3/16 | 3-7/16 | 4-3/8 | 10-5/16 | 1-7/8 |
| FWY.   | 48 | 3/4 | 1-1/4 | 14-3/8 | 14-1/2 | 16 | 12-1/2  | 9     | 4-11/16 | 3-1/2  | 5-1/2  | 7     | 16-1/2  | 3     |



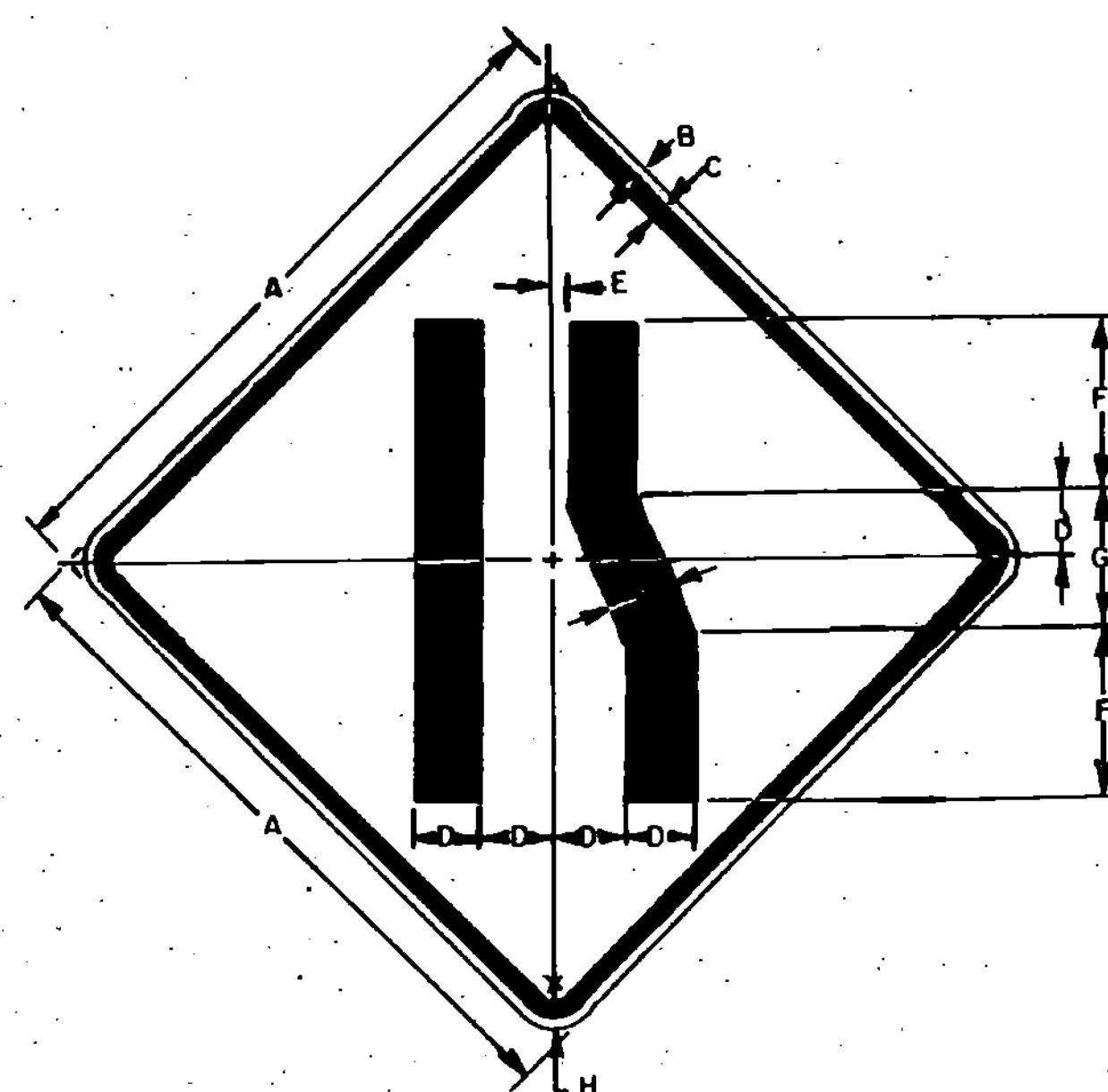
| SIGN    | A  | B   | C     | D      | E     | F      | G      | H     |
|---------|----|-----|-------|--------|-------|--------|--------|-------|
| MIN.    | 24 | 3/8 | 5/8   | 2      | 3     | 9      | 8-1/2  | 1-1/2 |
| STD.    | 30 | 1/2 | 3/4   | 2-7/8  | 3-3/4 | 11-1/4 | 10-5/8 | 1-7/8 |
| EXPWY.  | 36 | 5/8 | 7/8   | 2-5/16 | 4-1/2 | 13-1/2 | 12-3/4 | 2-1/4 |
| SPECIAL | 48 | 3/4 | 1-1/4 | 3-7/8  | 6     | 18     | 17     | 3     |



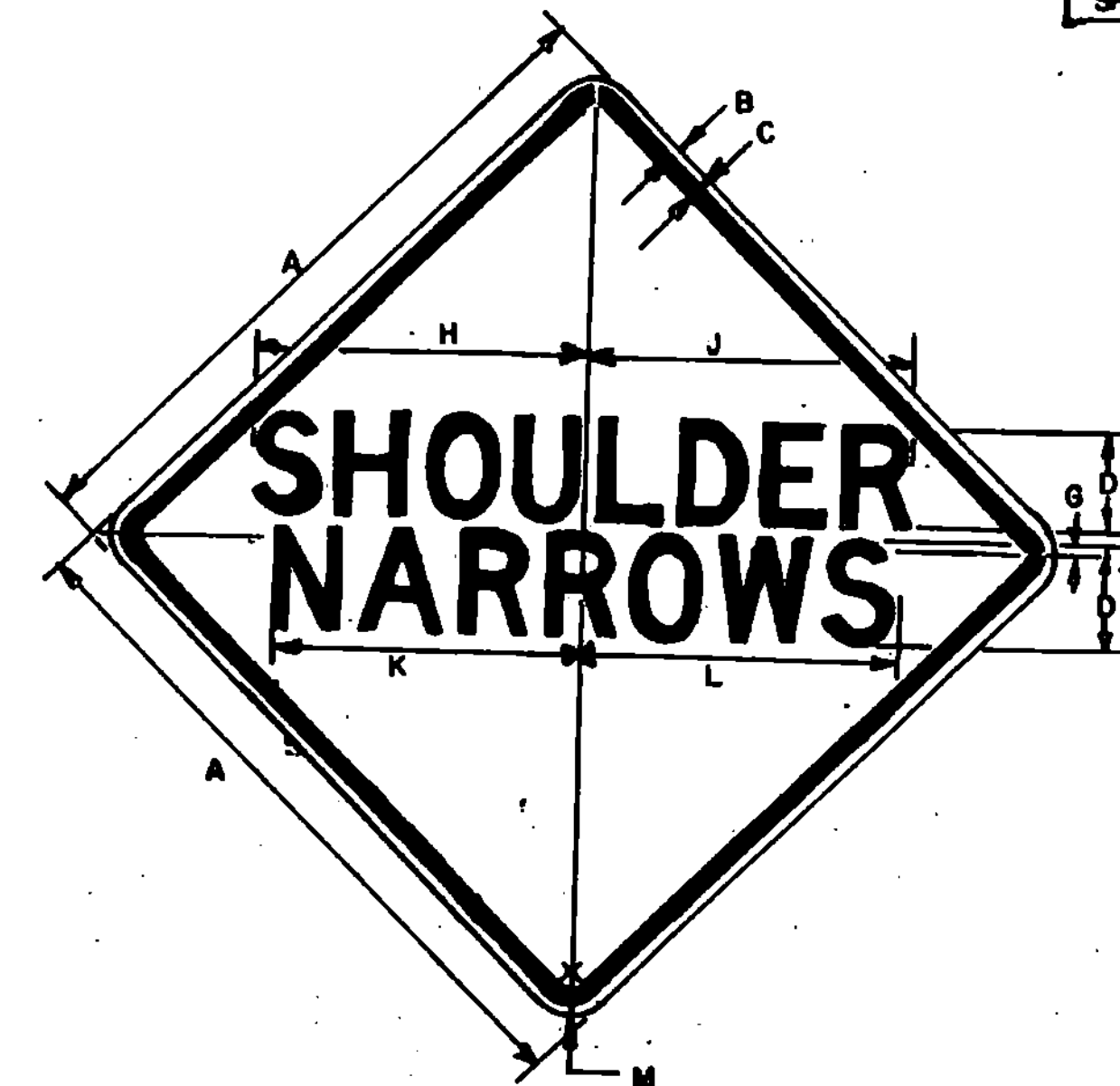
| SIGN          | A  | B   | C     | D      | E      | F      | G       | H       | J      | K     | L  | M       | N       | P       | Q       | R      | S      |
|---------------|----|-----|-------|--------|--------|--------|---------|---------|--------|-------|----|---------|---------|---------|---------|--------|--------|
| MIN.          | 30 | 1/2 | 3/4   | 3-5/16 | 8-5/16 | 4-1/8  | 25      | 1-11/16 | 4-1/8  | 1-7/8 | 10 | 11-5/8  | 7-15/16 | 13-1/16 | 7-7/8   | 8-5/16 | 2-1/16 |
| STD. & EXPWY. | 36 | 5/8 | 7/8   | 4      | 10     | 5      | 30      | 2       | 5      | 2-1/4 | 12 | 14      | 9-1/2   | 16-1/2  | 9-1/2   | 10     | 2-1/2  |
| SPECIAL       | 48 | 3/4 | 1-1/4 | 5-1/4  | 13-1/8 | 6-9/16 | 39-3/16 | 2-5/8   | 6-9/16 | 3     | 16 | 18-1/16 | 12-1/16 | 22      | 12-7/16 | 13-1/8 | 3-5/16 |



| SIGN    | A  | B   | C   | D  | E     | F      | G        | H     | J     |
|---------|----|-----|-----|----|-------|--------|----------|-------|-------|
| MIN.    | 24 | 3/8 | 5/8 | 8  | 4-1/8 | 9-3/4  | 11-5/8   | 3-1/8 | 1-1/2 |
| STD.    | 30 | 1/2 | 3/4 | 10 | 5-1/4 | 12-3/8 | 14-11/16 | 4     | 1-7/8 |
| SPECIAL | 36 | 5/8 | 7/8 | 12 | 6-1/8 | 14-5/8 | 17-1/2   | 4-3/4 | 2-1/4 |



| SIGN          | A  | B   | C     | D      | E     | F       | G      | H     |
|---------------|----|-----|-------|--------|-------|---------|--------|-------|
| MIN.          | 30 | 1/2 | 3/4   | 5-3/8  | 13/16 | 8-7/16  | 6-3/4  | 1-7/8 |
| STD. & EXPWY. | 36 | 5/8 | 7/8   | 4      | 1     | 10      | 8      | 2-1/4 |
| FWY.          | 48 | 3/4 | 1-1/4 | 5-5/16 | 1-3/8 | 13-5/16 | 10-5/8 | 3     |



| SIGN        | A  | B   | C     | D  | E     | F  | G | H        | J       | K      | L       | M     |
|-------------|----|-----|-------|----|-------|----|---|----------|---------|--------|---------|-------|
| MIN. & STD. | 36 | 5/8 | 7/8   | 5C | 3     | 6D | 1 | 15-11/16 | 13-1/16 | 17-5/8 | 18-1/4  | 2-1/4 |
| EXPWY.      | 48 | 3/4 | 1-1/4 | 7D | 3-1/2 | 7D | 1 | 23-13/16 | 23-7/8  | 21-1/2 | 21-9/16 | 3     |

#### COLORS

THE WARNING SIGNS SHOWN ON THIS SHEET SHALL HAVE BLACK TEXT AND SYMBOLS ON REFLECTORIZED YELLOW BACKGROUND. THE COLORS SHALL CONFORM WITH THE COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS AND APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.

#### MATERIALS

THE SIGN BASE MATERIALS USED FOR THE WARNING SIGNS SHOWN ON THIS SHEET MAY BE ANY OF THE FOLLOWING, OF THE MINIMUM THICKNESS NOTED:

|                               | 18"X18" | 24"X24" | 36"X36" | 48"X48" |
|-------------------------------|---------|---------|---------|---------|
| FLAT SHEET ALUMINUM           | 0-060"  | 0-080"  | 0-100"  | 0-125"  |
| HIGH DENSITY OVERLAIN PLYWOOD | 1/2"    | 1/2"    | 5/8"    | 5/8"    |
| GALVANIZED FLAT SHEET STEEL   | 18 GAGE | 16 GAGE | 14 GAGE | 12 GAGE |

THE REFLECTIVE MATERIAL SHALL BE REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN.

THE TEXT OF THE SIGNS MAY BE LETTERING FILM, SILK SCREENED OR HAND PAINTED. WHEN HAND PAINTED, POOR WORKMANSHIP SHALL BE CAUSE FOR REJECTION.

#### TEXT DESIGN

LETTERS, ARROWS, SPACINGS, AND TEXT DIMENSIONS SHALL CONFORM WITH THE STANDARD ALPHABETS AND DESIGNS PRESCRIBED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.

#### SPECIFICATIONS

WARNING SIGNS SHALL MEET THE STANDARD STATE SPECIFICATIONS FOR TRAFFIC SIGNS.

#### REVISIONS AND CORRECTIONS

REV. 5, 1984 - UPDATED TO 1985 SPECIFICATIONS

#### APPROVED

DATE OCT. 3, 1984

DIRECTOR OF ENGINEERING AND CONSTRUCTION

CHIEF OF DESIGN

SURVEY AND PLANS ENGINEER

## WARNING SIGNS



STANDARD  
E-19A