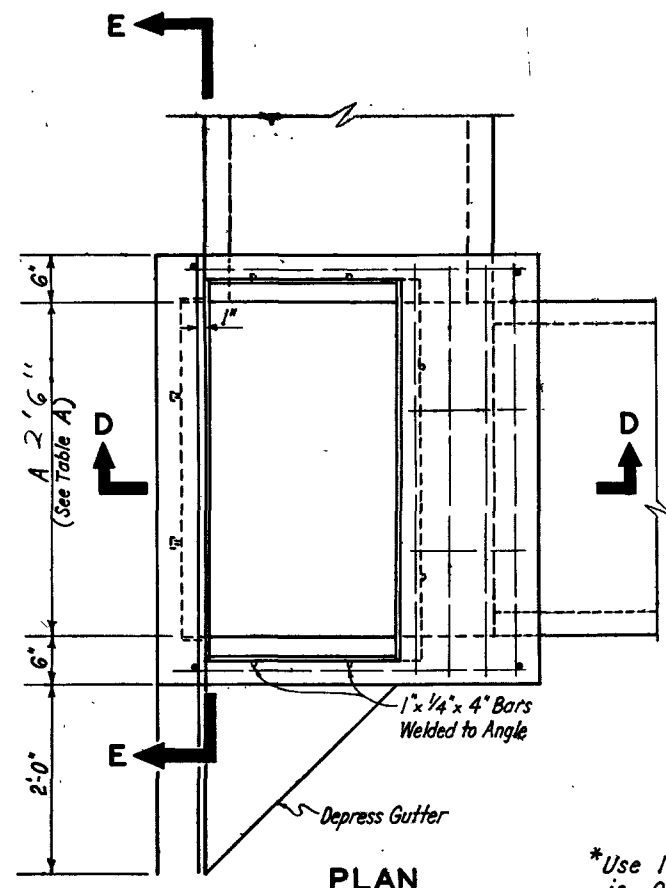
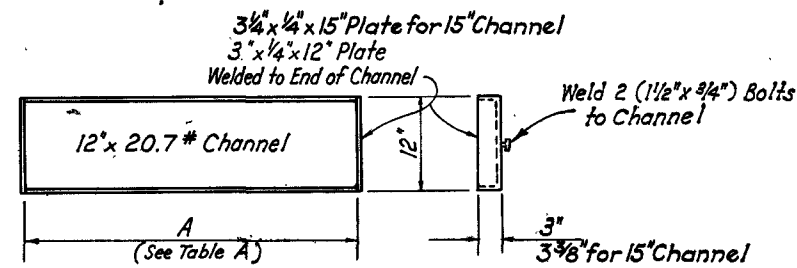
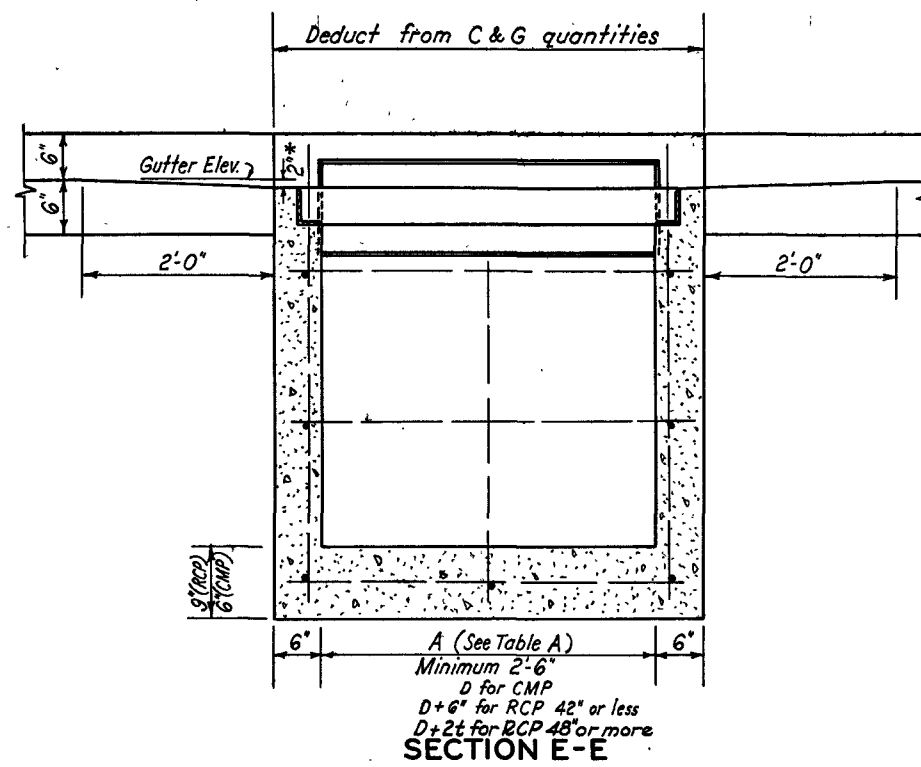
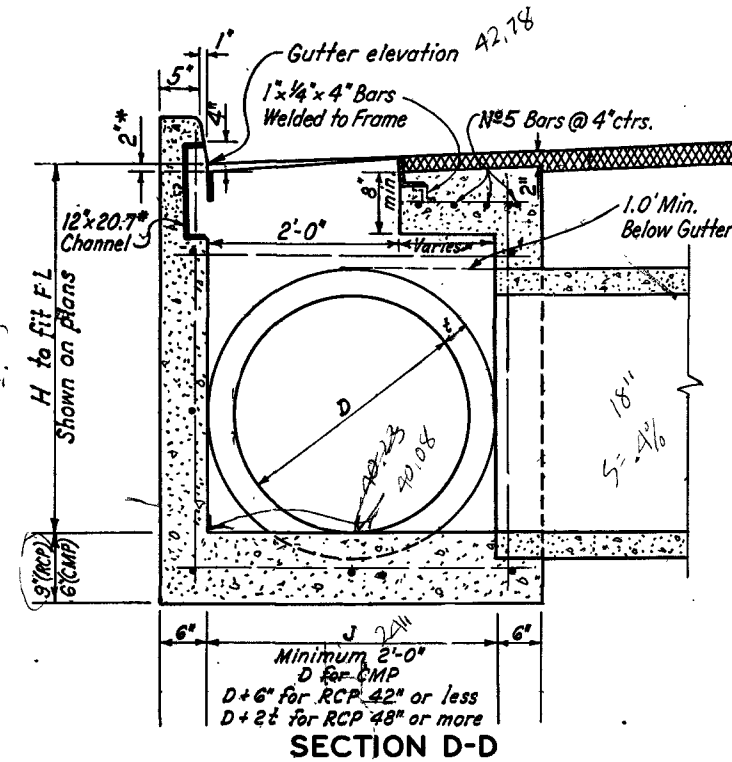




\*Use 1" when normal gutter slope is .08' per foot or greater.



\*Use 15 x 33.9" Channel for A greater than 4'-0"

STRUCTURAL STEEL (TABLE A)

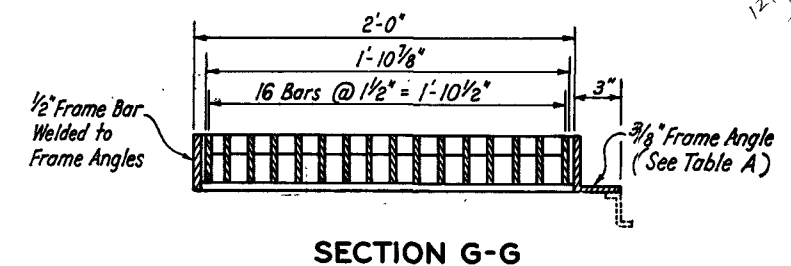
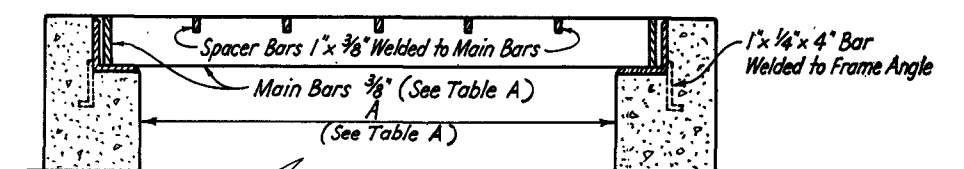
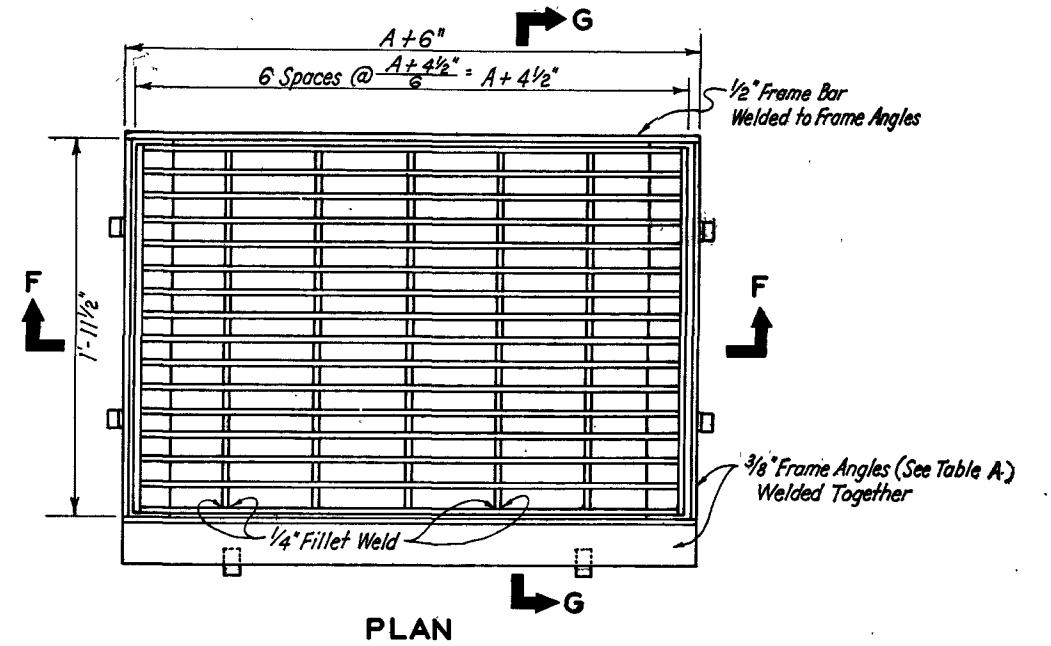
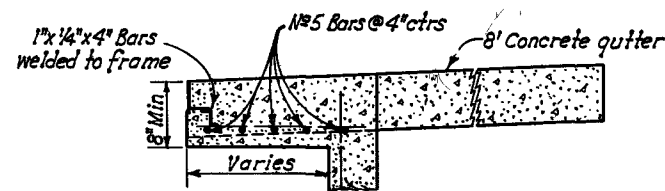
| PIPE SIZE      |                | A     | MAIN BARS    | FRAME ANGLES     | FRAME BAR    | GRATE LBS | FRAME LBS | CHANNEL & PLATES, LBS | TOTAL LBS |
|----------------|----------------|-------|--------------|------------------|--------------|-----------|-----------|-----------------------|-----------|
| CMP            | RCP            |       |              |                  |              |           |           |                       |           |
| 30"<br>OR LESS | 24"<br>OR LESS | 2'-6" | 3"x 3/8"     | 3 1/2"x 3"x 3/8" | 3 1/2"x 1/2" | 199       | 74        | 57                    | 330       |
| 36"            | 30"            | 3'-0" | 3 1/2"x 3/8" | 4"x 3"x 3/8"     | 4"x 1/2"     | 265       | 88        | 67                    | 420       |
| 42"            | 36"            | 3'-6" | 4"x 3/8"     | 4 1/2"x 3"x 3/8" | 4 1/2"x 1/2" | 346       | 106       | 78                    | 530       |
| 48"            | 42"            | 4'-0" | 4"x 3/8"     | 4 1/2"x 3"x 3/8" | 4 1/2"x 1/2" | 387       | 115       | 88                    | 590       |
| 54"            | 48"            | 4'-6" | 4 1/2"x 3/8" | 5"x 3"x 3/8"     | 5"x 1/2"     | 473       | 132       | 161                   | 766       |
| 60"            | 54"            | 5'-0" | 5"x 3/8"     | 5 1/2"x 3"x 3/8" | 5 1/2"x 1/2" | 575       | 152       | 178                   | 905       |

TABLE B

MAXIMUM H

| Jor A       | H      |
|-------------|--------|
| 30" or less | 21'-0" |
| 36"         | 16'-0" |
| 42"         | 12'-0" |
| 48"         | 9'-0"  |
| 54"         | 7'-0"  |
| 60"         | 7'-0"  |

with 4 bars @ 12" ctrs



GRATE AND FRAME DETAIL

GENERAL NOTES

- All concrete shall be Class A or AA.
- All reinforcing steel shall be tightly wired and embedded 1" clear of concrete surface. Except as noted, all reinforcing steel shall be N#4 bars with maximum space at 18" centers, for all values of H to the maximum as shown in table B. If H exceeds these maximums, drop inlet will require special design.
- Exposed edges of concrete shall be chamfered by using one inch triangular molding in forms.
- Where pipe intersects drop inlet on a 12" or larger,

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STATE OF NEVADA  
DEPARTMENT OF HIGHWAYS

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STANDARD  
TYPE 3 DROP INLET  
SHEET 1

DATE OF LAST REVISION: JUNE, 1957.

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