

- NOTES:
- Elevations are in feet above USGS or mean Sea Level Datum.
 - All Reinforced Concrete shall be Class 'A' concrete unless otherwise specified.
 - Dimensions for depth of Reinforcing Steel are from face of concrete to center of bars.
 - Reinforcing Bars shall be round deformed bars of intermediate grade steel unless otherwise specified, and all splices shall be lapped 36 bar diameters.
 - For arrangement of Drain Tile under Structures see Standard Dc-49.
 - Weep holes 1/2 inch in diameter, spaced not more than 3 feet each way, shall be placed in each side wall unless otherwise specified.

**COUNTY HOSPITAL
 DRAINAGE SYSTEM**
 OF THE COUNTY OF LOS ANGELES, CALIFORNIA.

DETAILS OF
BOX SECTIONS AND SPECIAL STRUCTURES

SHEET 2 OF 5 SHEETS

SCALE AS SHOWN JAN. 1940.

ALFRED JONES - COUNTY ENGINEER

RECOMMENDED BY [Signature] APPROVED [Signature]

THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS

REFERENCE	DESIGNED	G. W. Tatchell	Jan 1940
F.B.	TRACED	W. F. Brucher	Jan 1940
	CHECKED	L. B. Knox	Jan 1940

CSB-1198-2
A1 OF A10

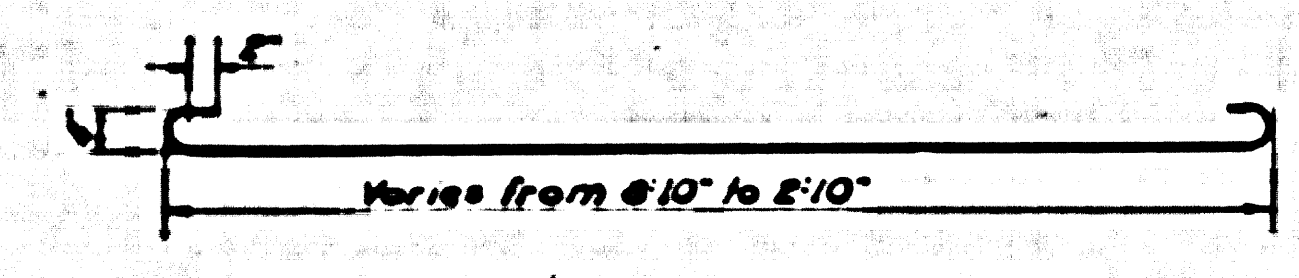
ending.

for All Bars

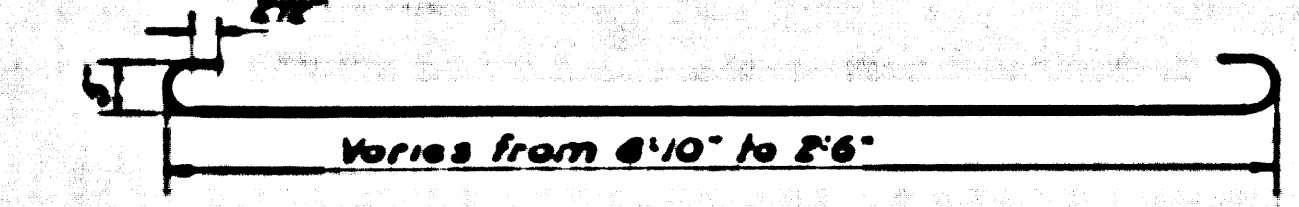
Bars over
and bend
C1 Bars

1/2"

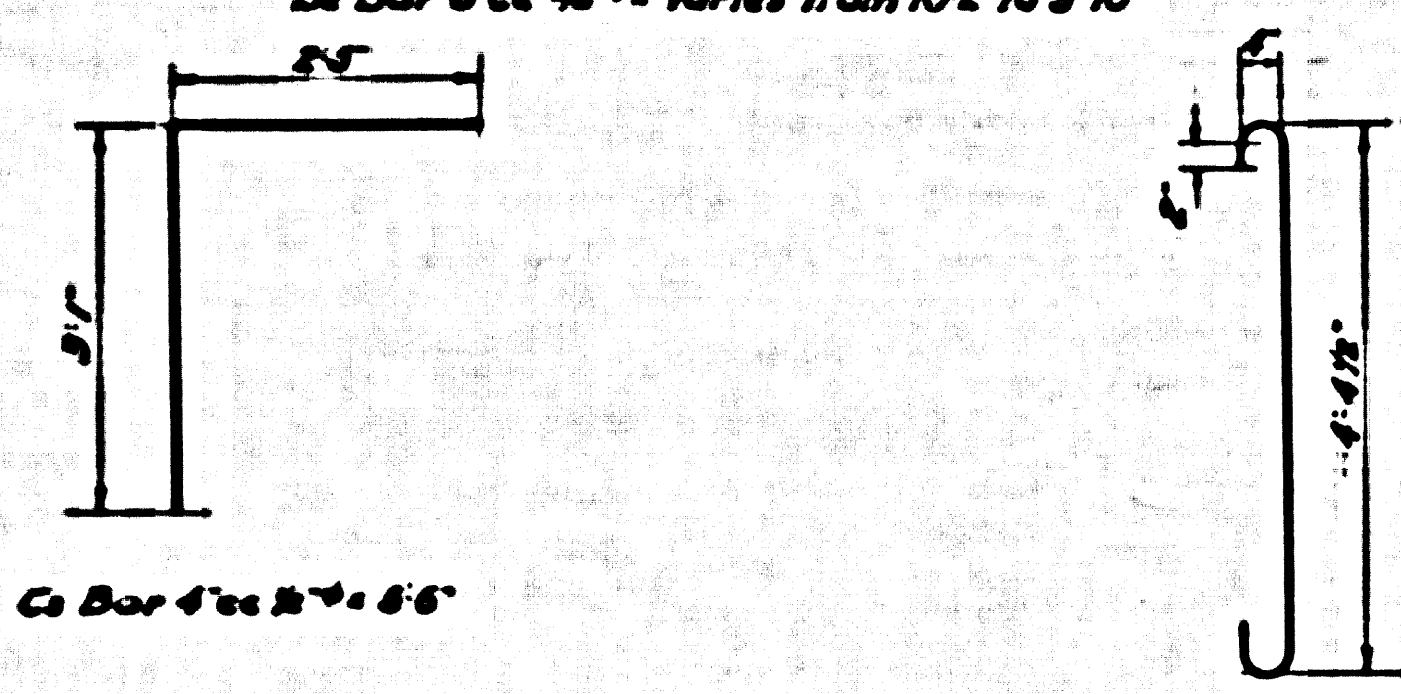
Access opening



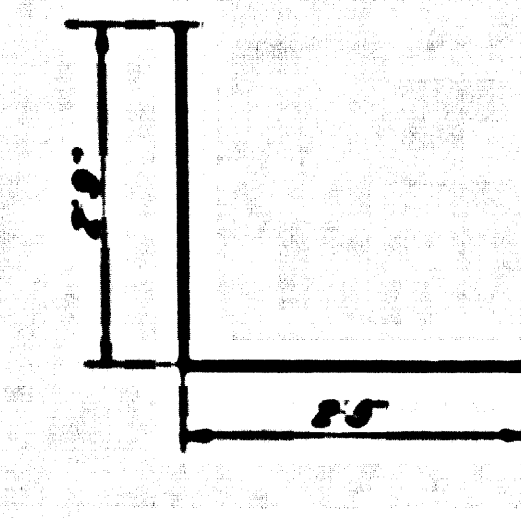
B1 Bar 4"cc 1/2" varies from 9'11" to 8'11"



B2 Bar 4"cc 1/2" varies from 10'2" to 8'10"

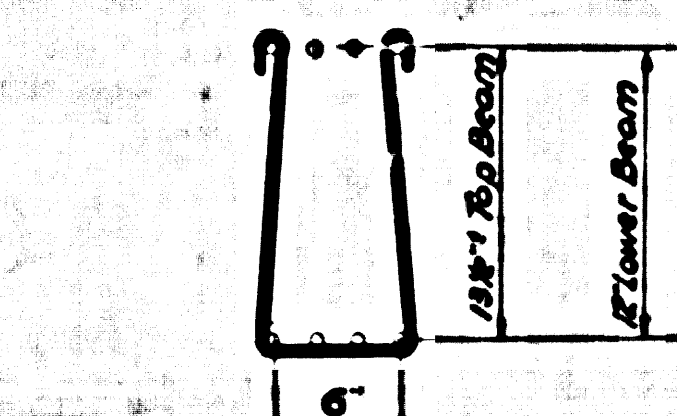


C1 Bar 4"cc 1/2" 6'6"

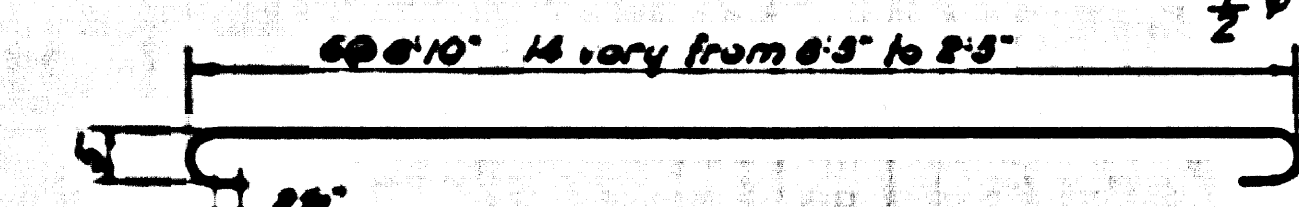


C2 Bar 4"cc 1/2" 6'6"

D Bar 1/2"cc 1/2" 5'3"

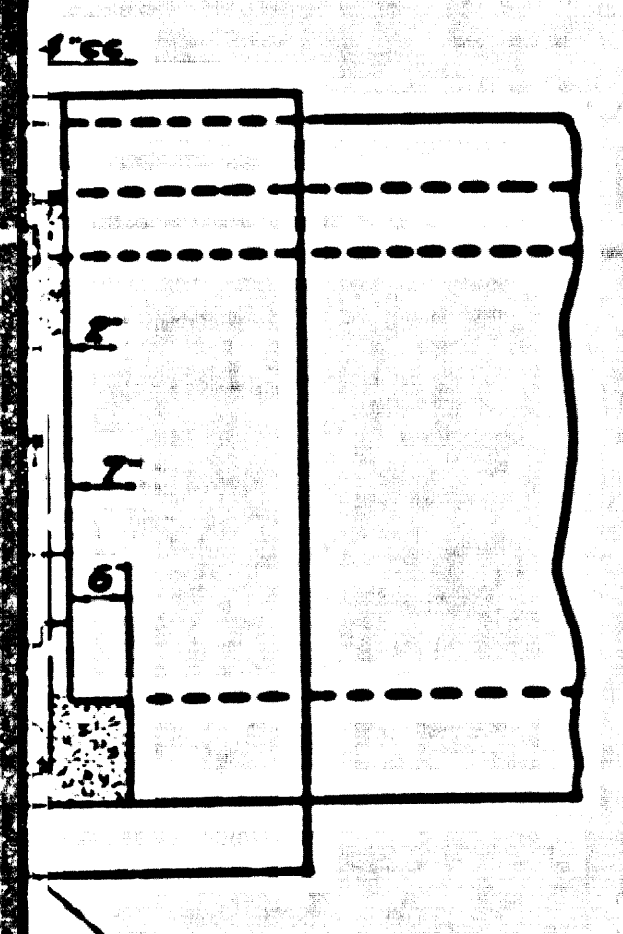


DETAIL OF STIRRUP 1/2" 6" c.c.

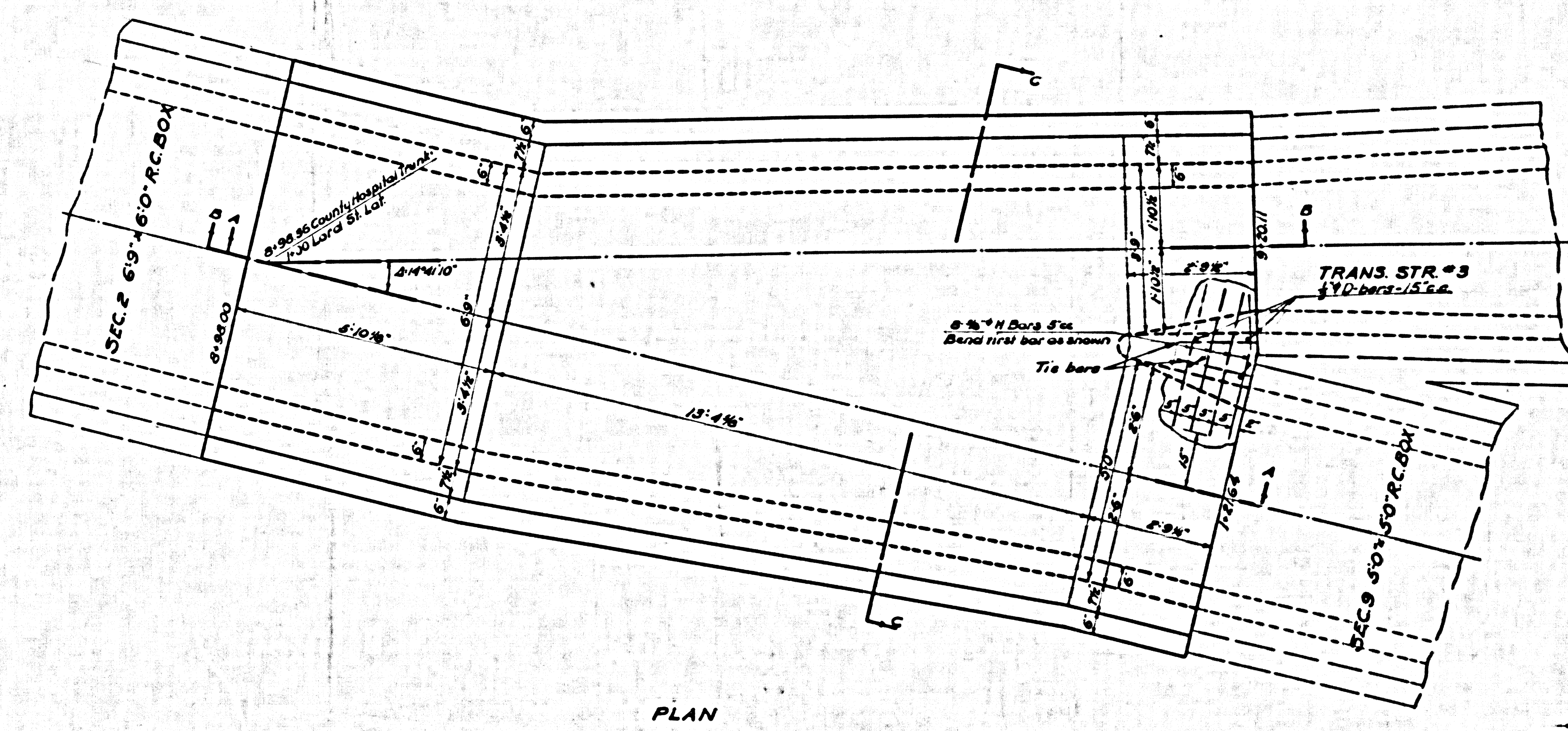


F1 Bar 4"cc 1/2" 6 @ 10" 1/4 vary from 8'5" to 8'9" Each side of structure

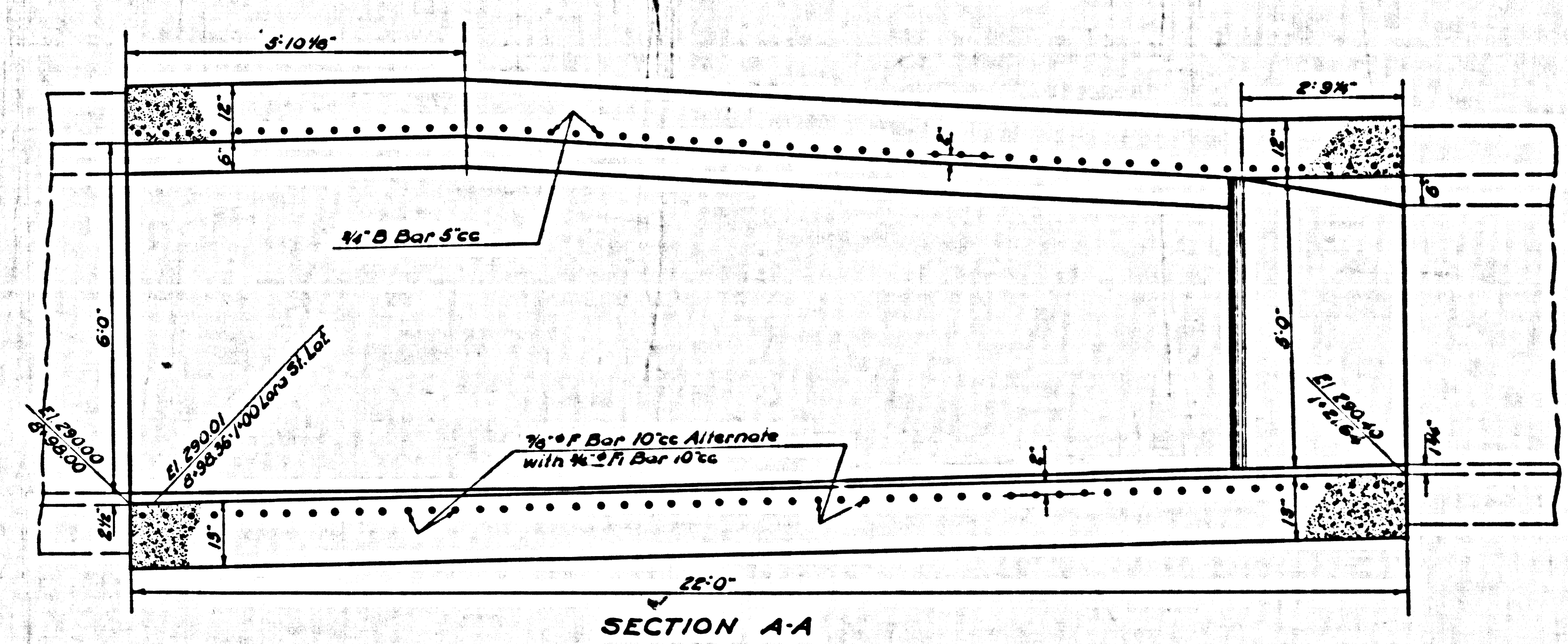
Note: For details of B-C-C1 and D bars shown in Sec. C-C1 and Sec. 4 Steel details.



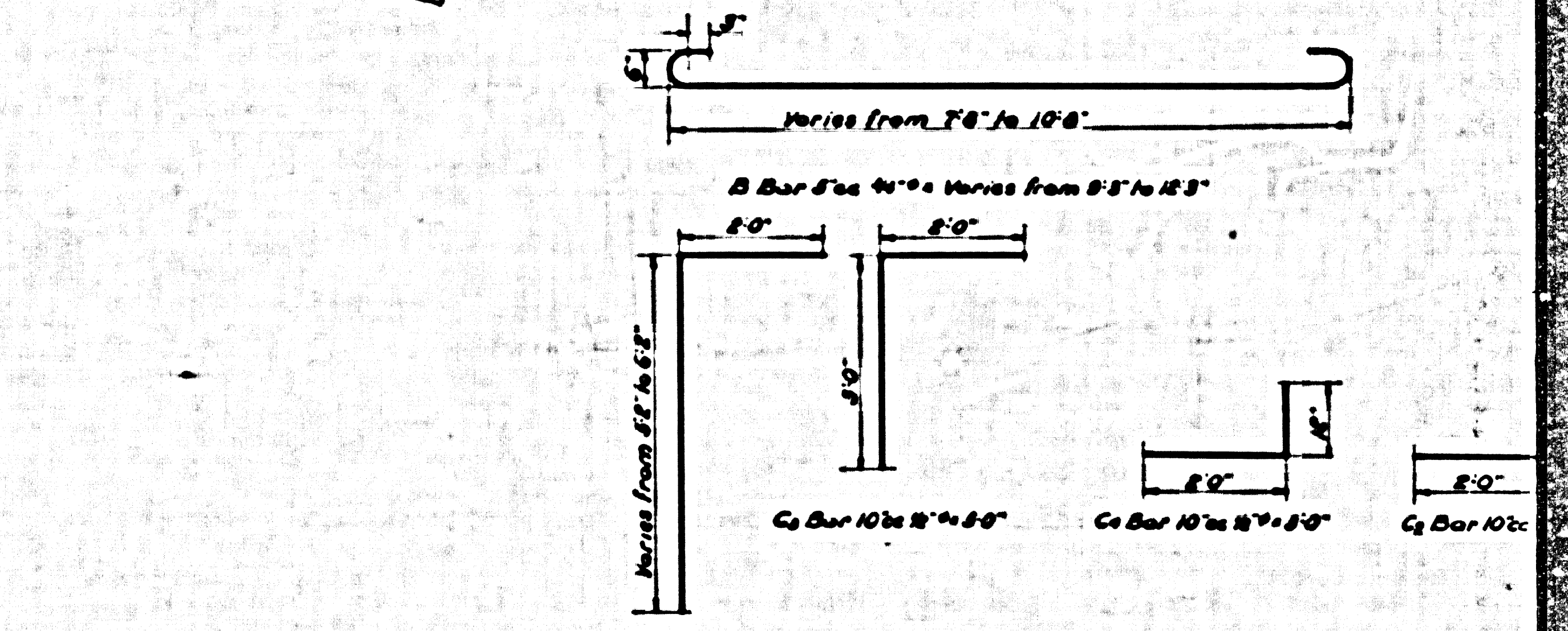
Nº 3



PLAN



SECTION A-A



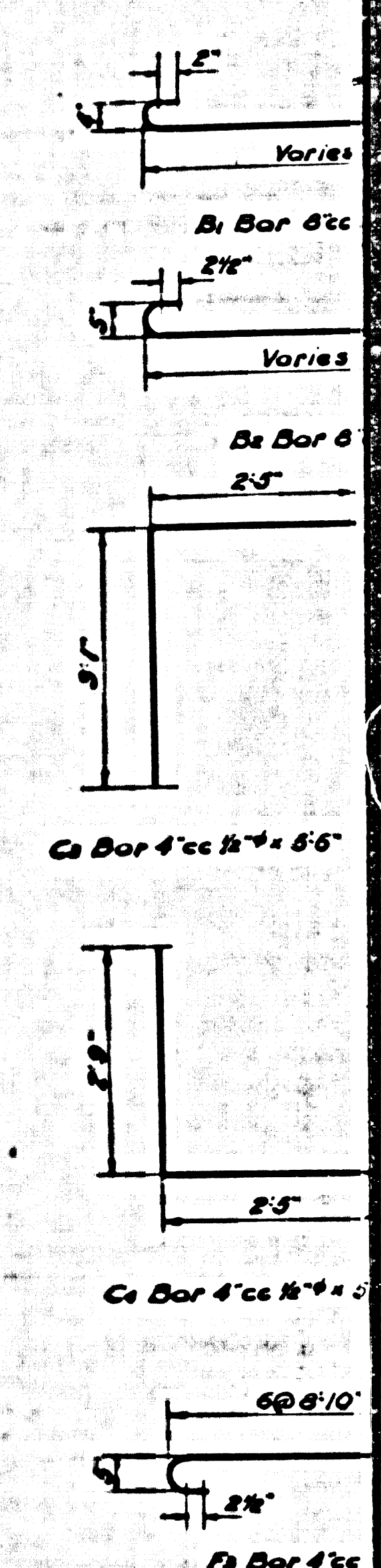
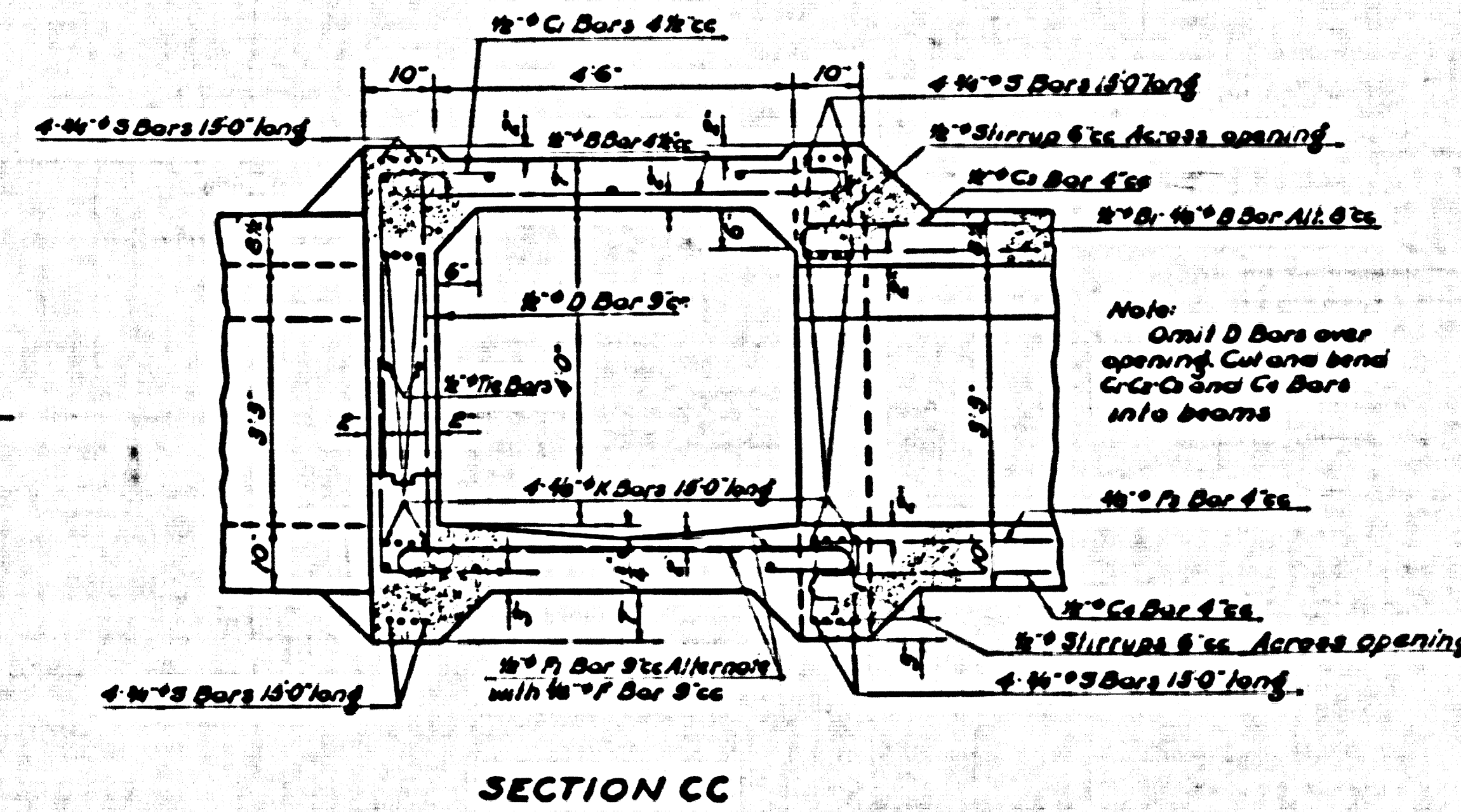
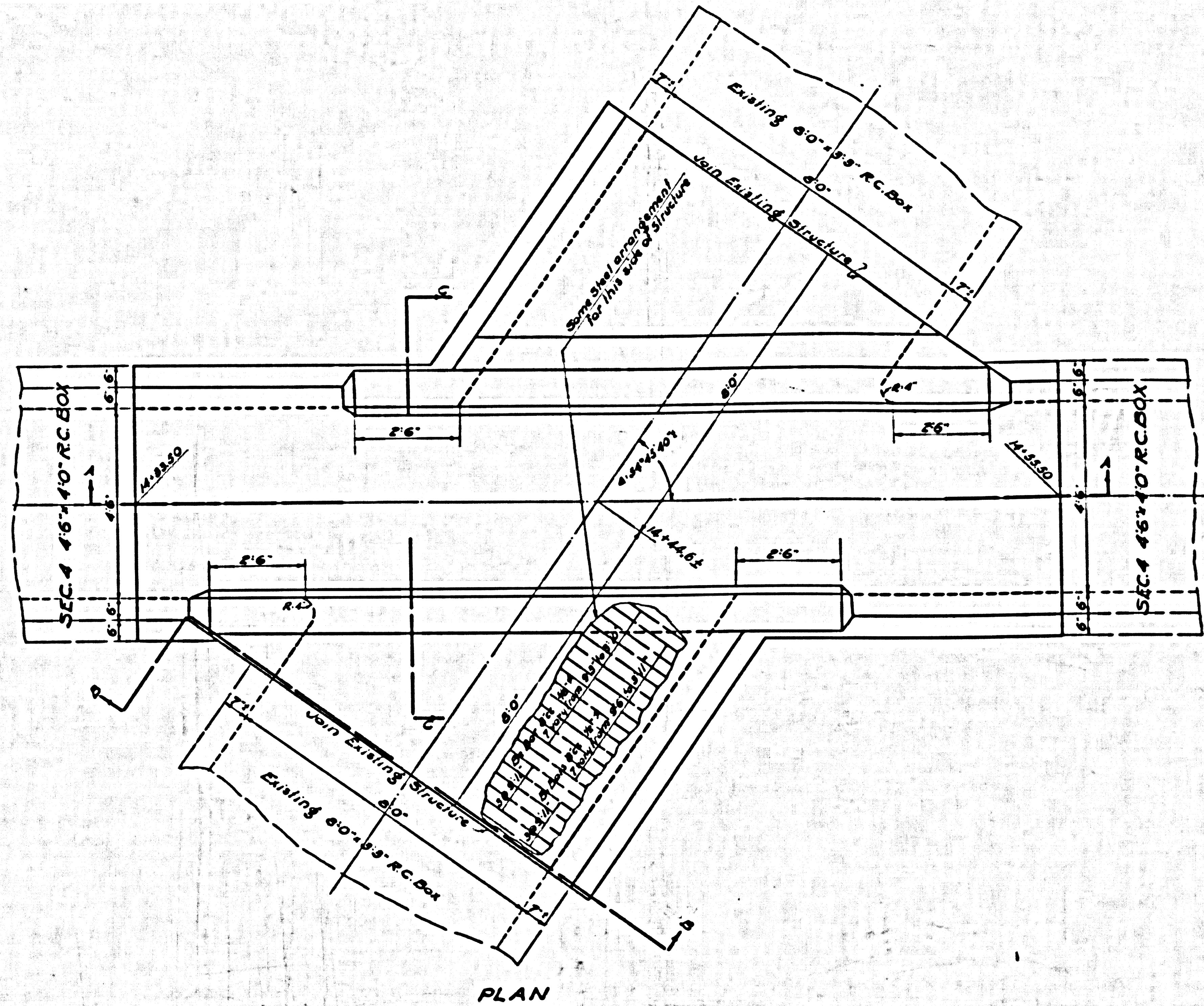
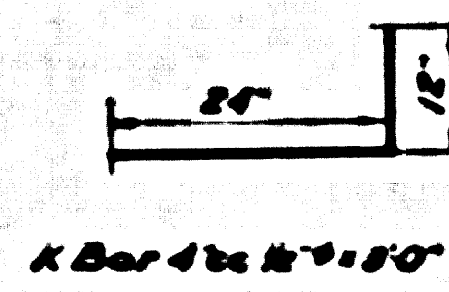
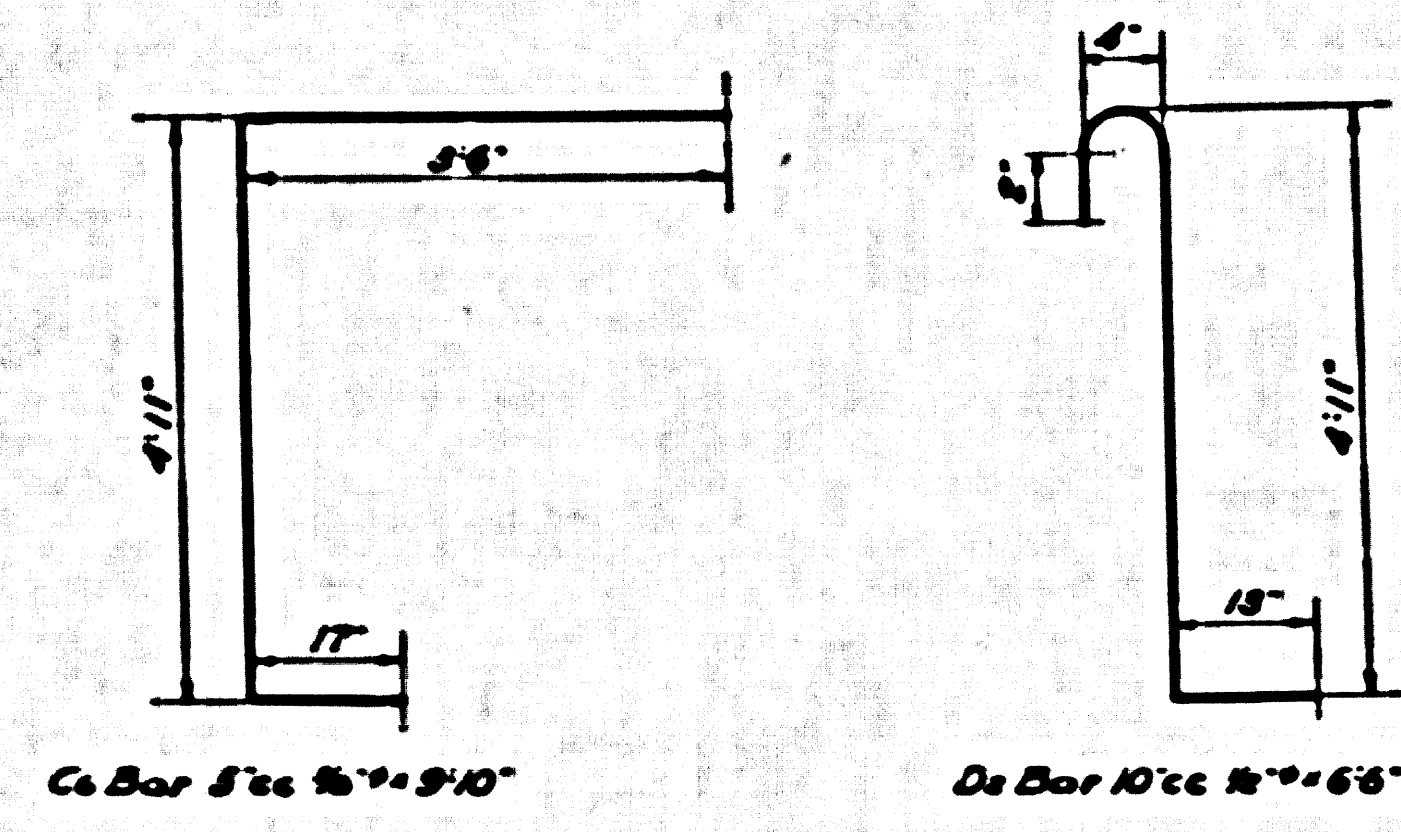
SECTION B-B

CSB-1198-2
A5 OF A10

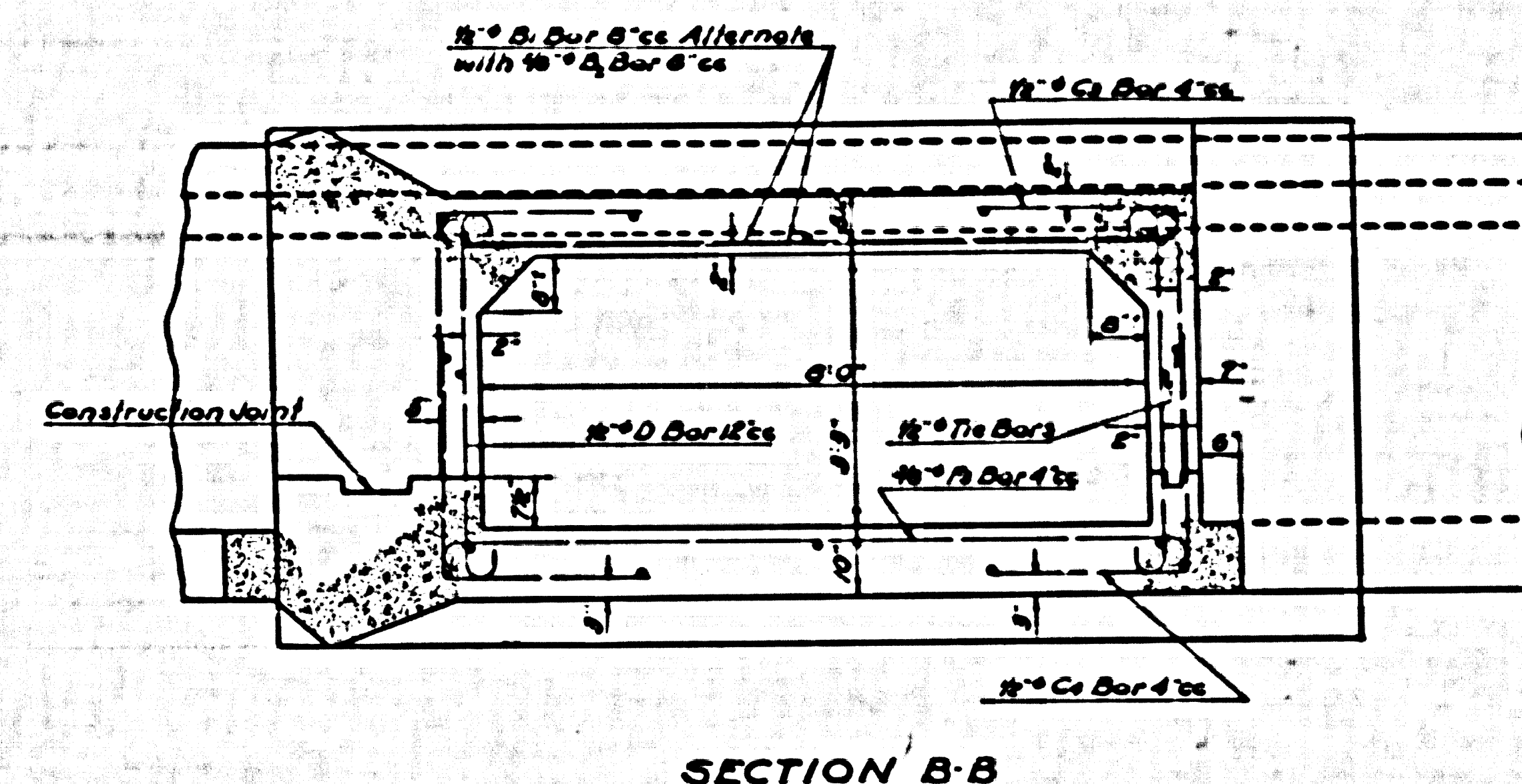
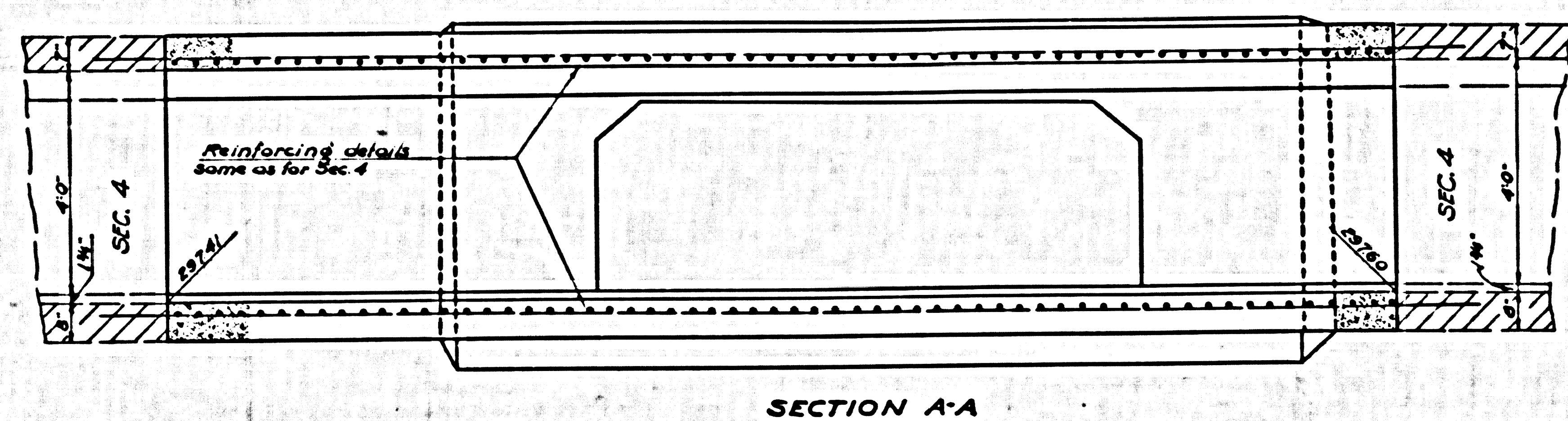
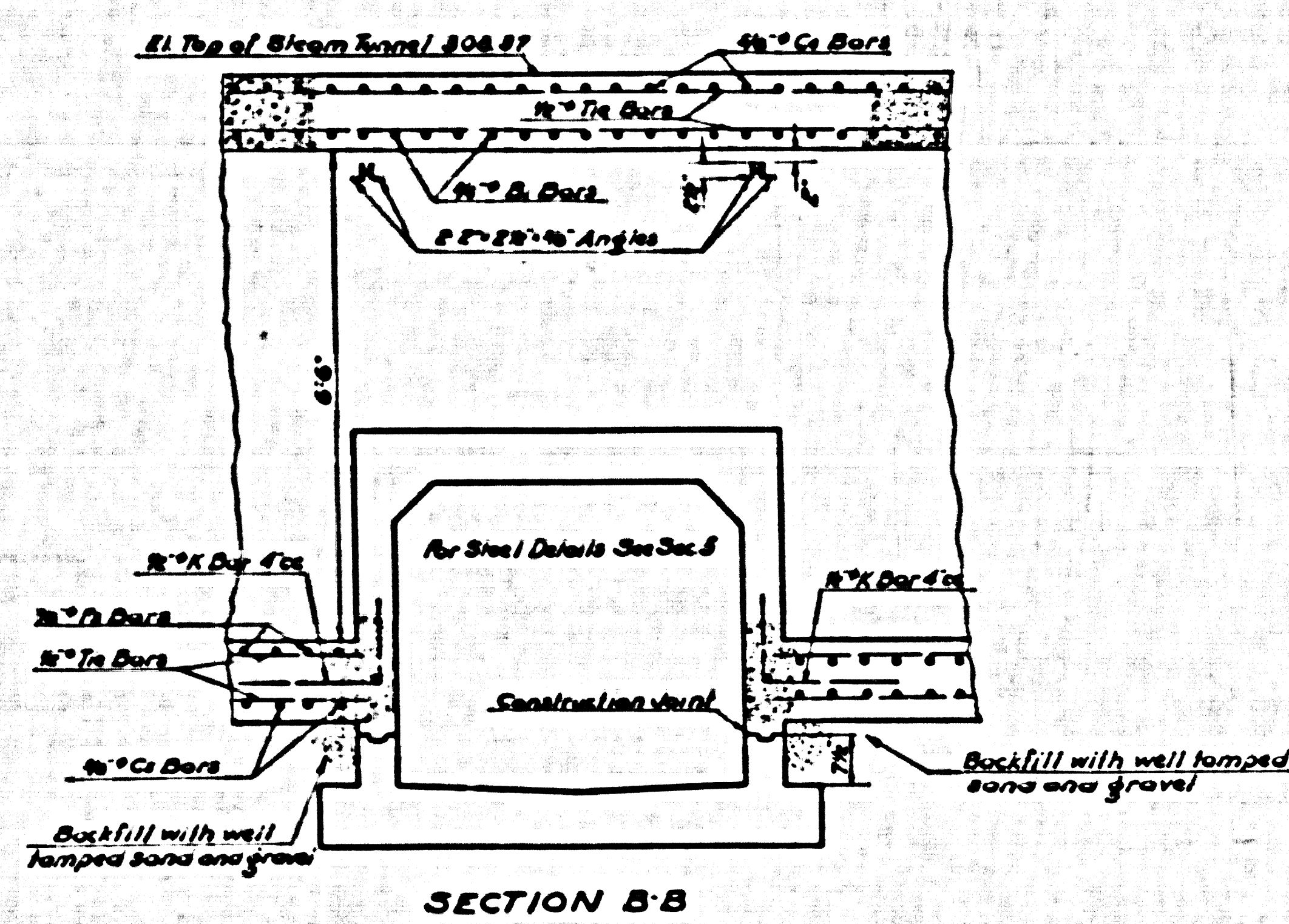
SPECIAL

STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 8-98.00
Scale: 1/4"=1'-0"

Nº 2



Note: For detail see C.C. 888

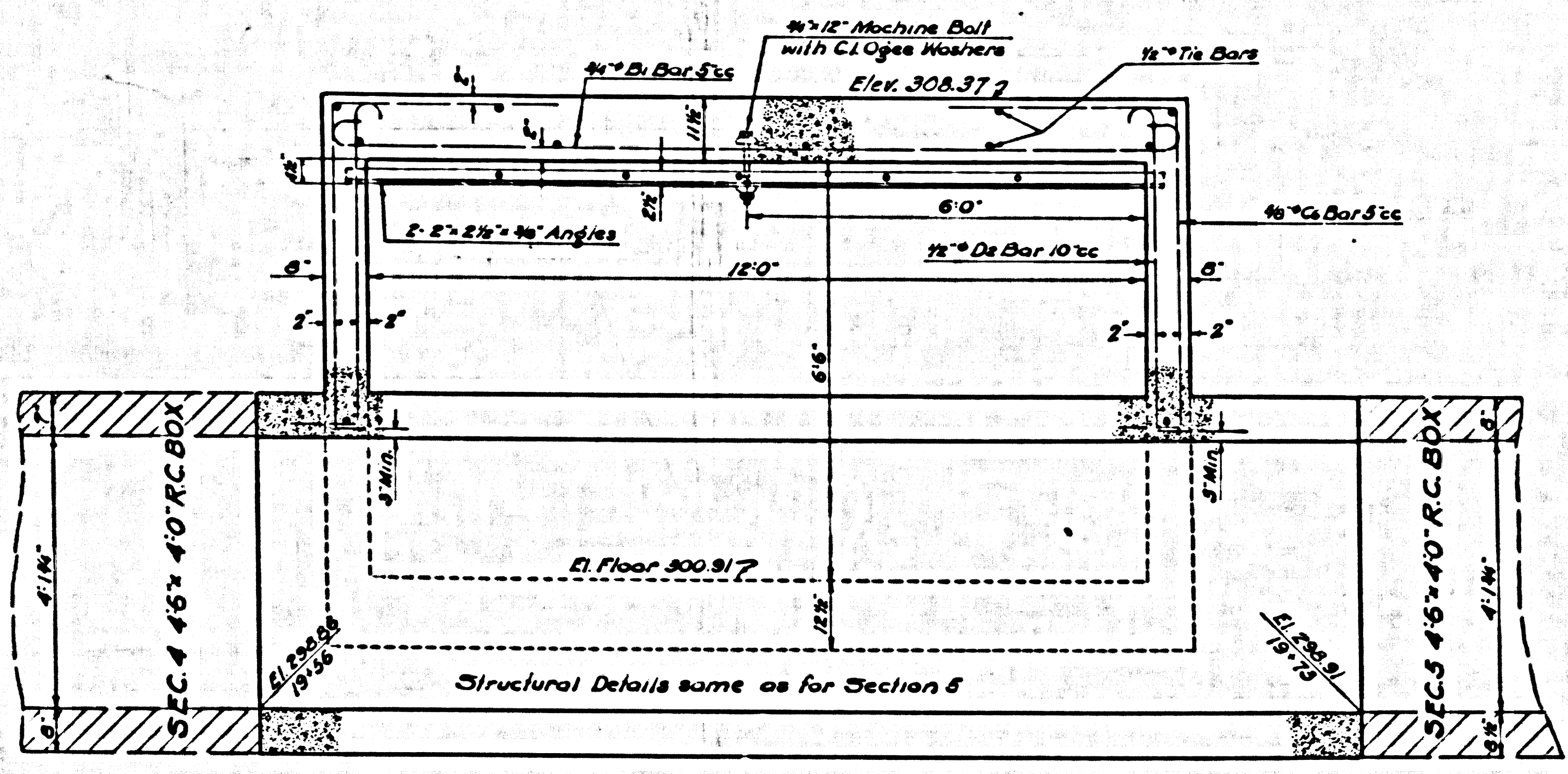


Nº 4

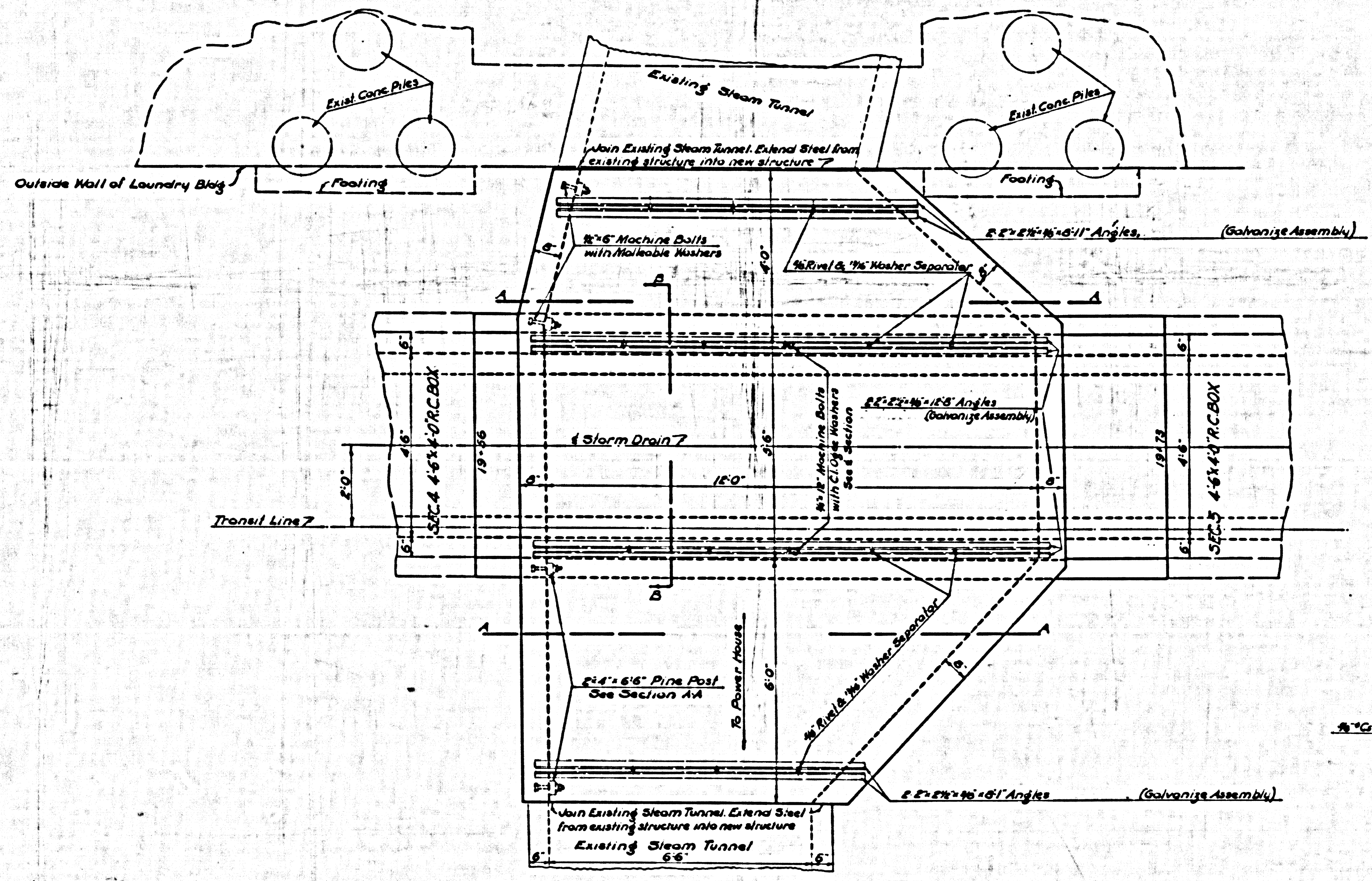
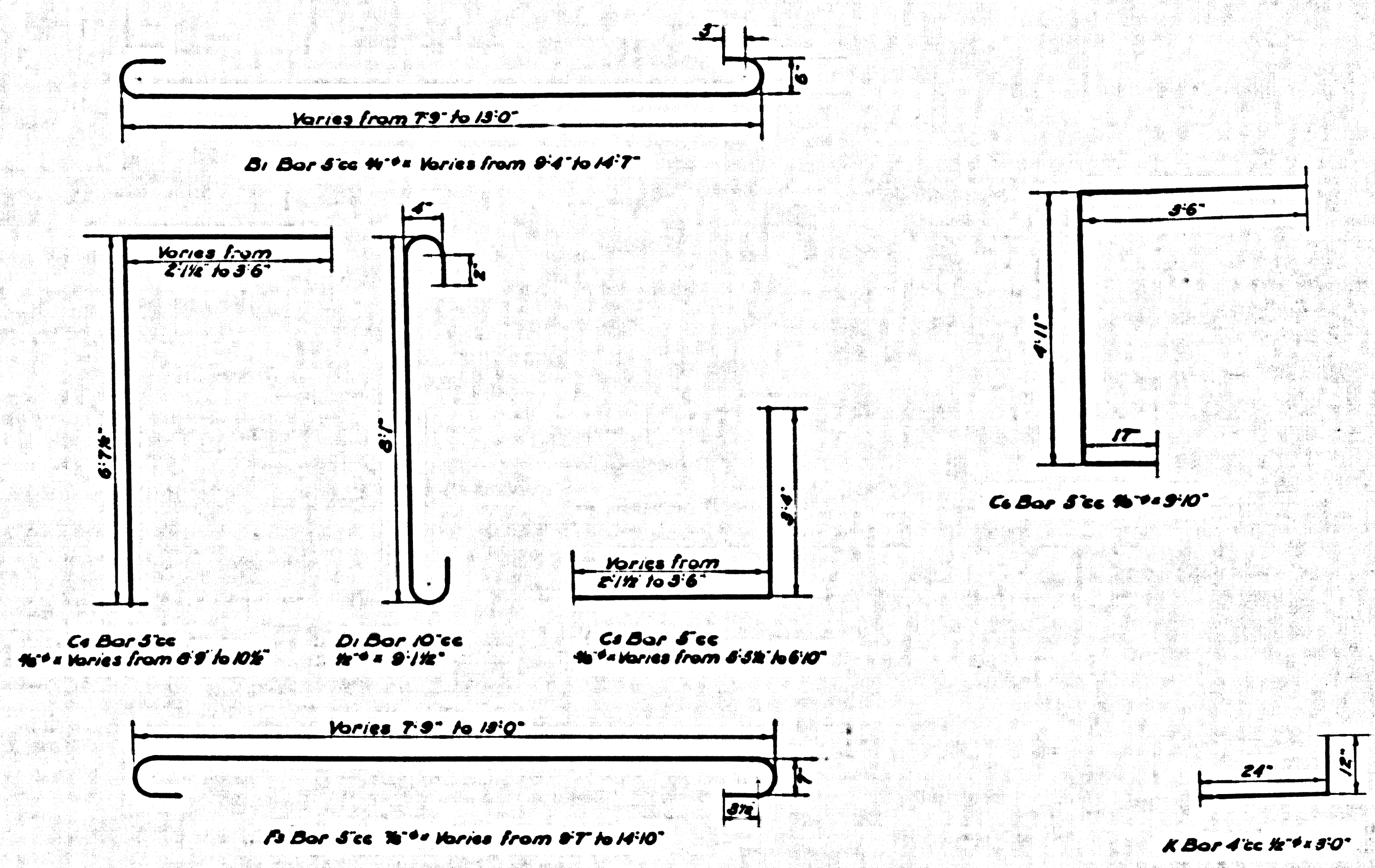
SPECIAL

CSB-1198-2
A6 OF A10

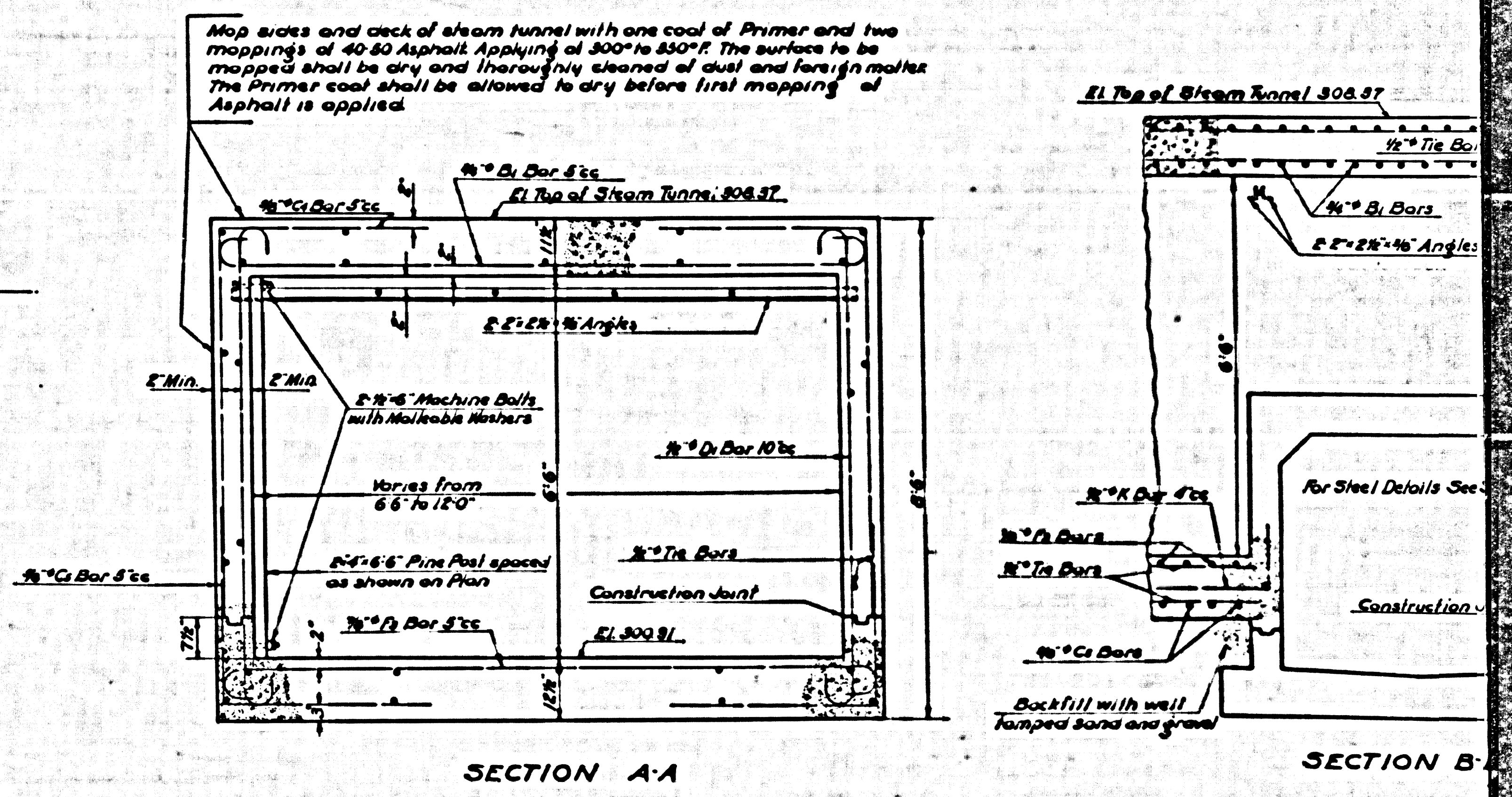
STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 13+33.50
Scale: 1/4" = 1'-0"



SECTION 4



PLAN



SECTION A-A

SECTION B-B

Nº5

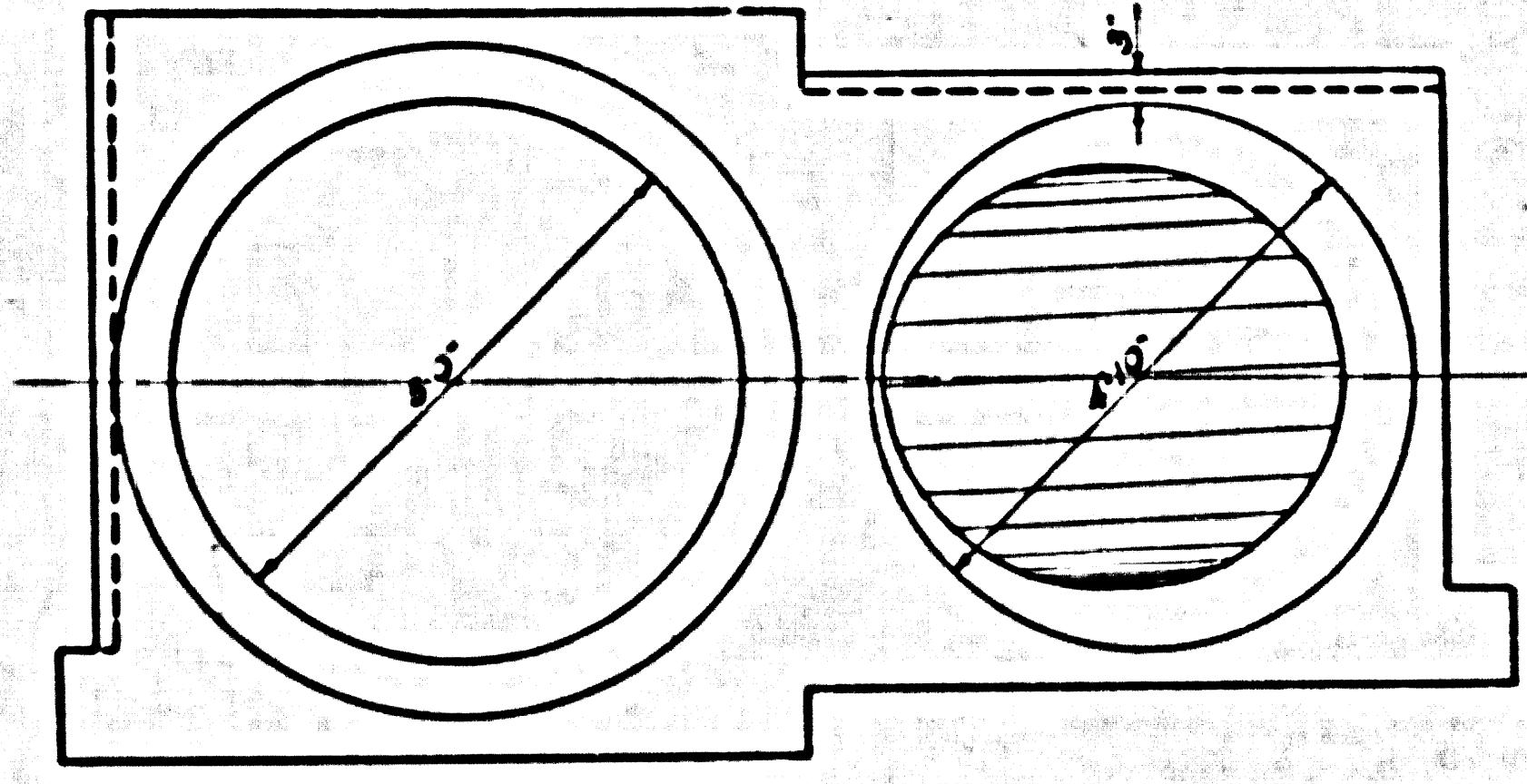
SPECIAL CSB-1198-2
A70FA10

STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 19+56
Scale: 1/4"=1'-0"

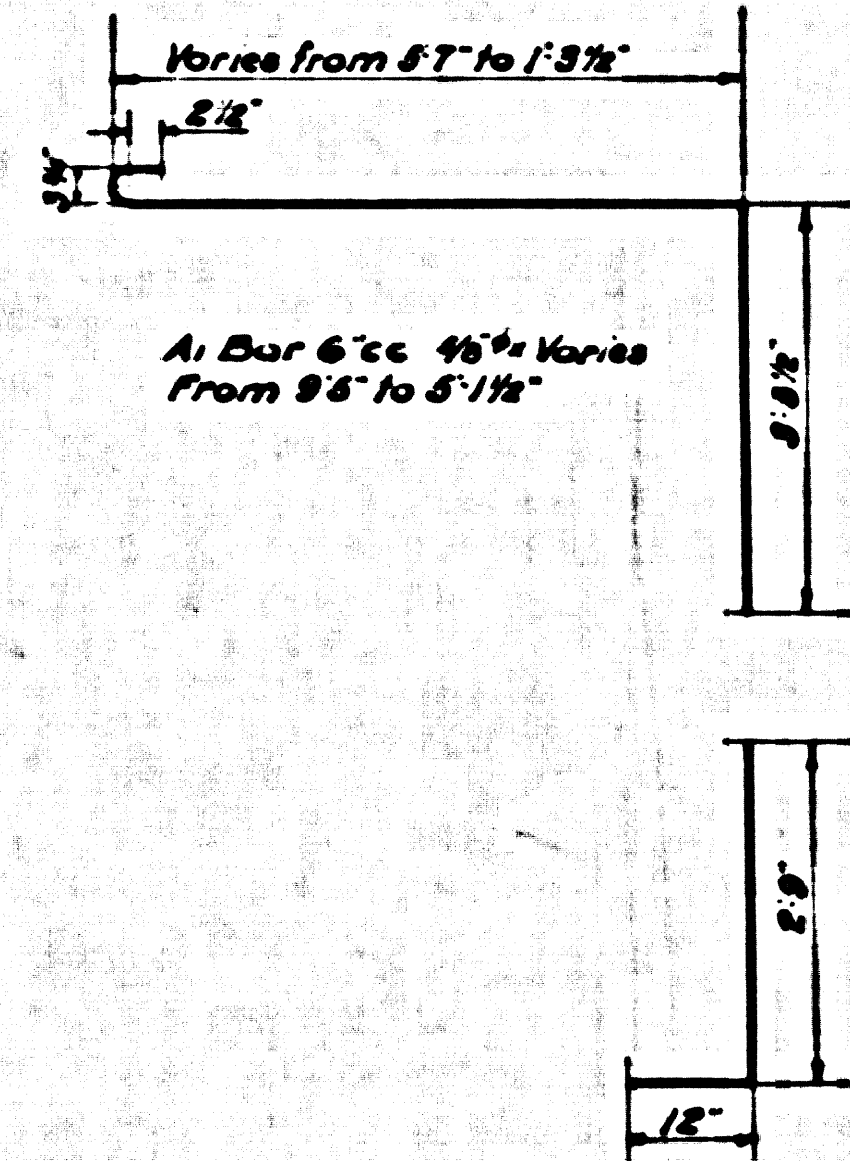
Nº4

M3

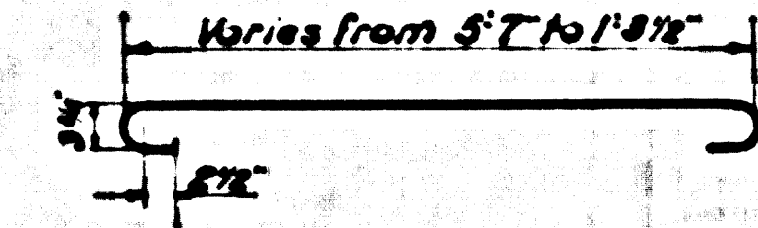
M6



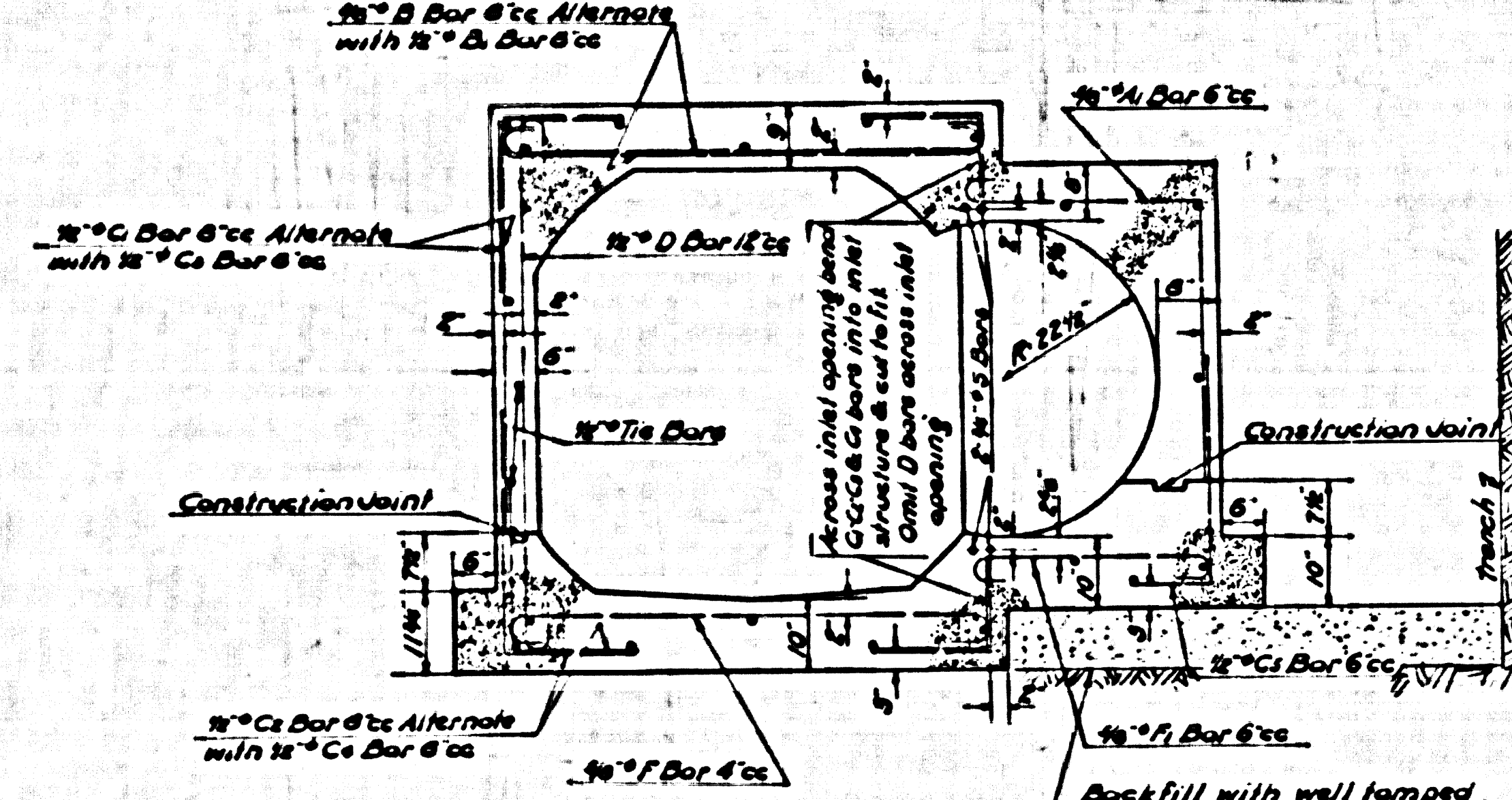
ELEVATION OF UPSTREAM END



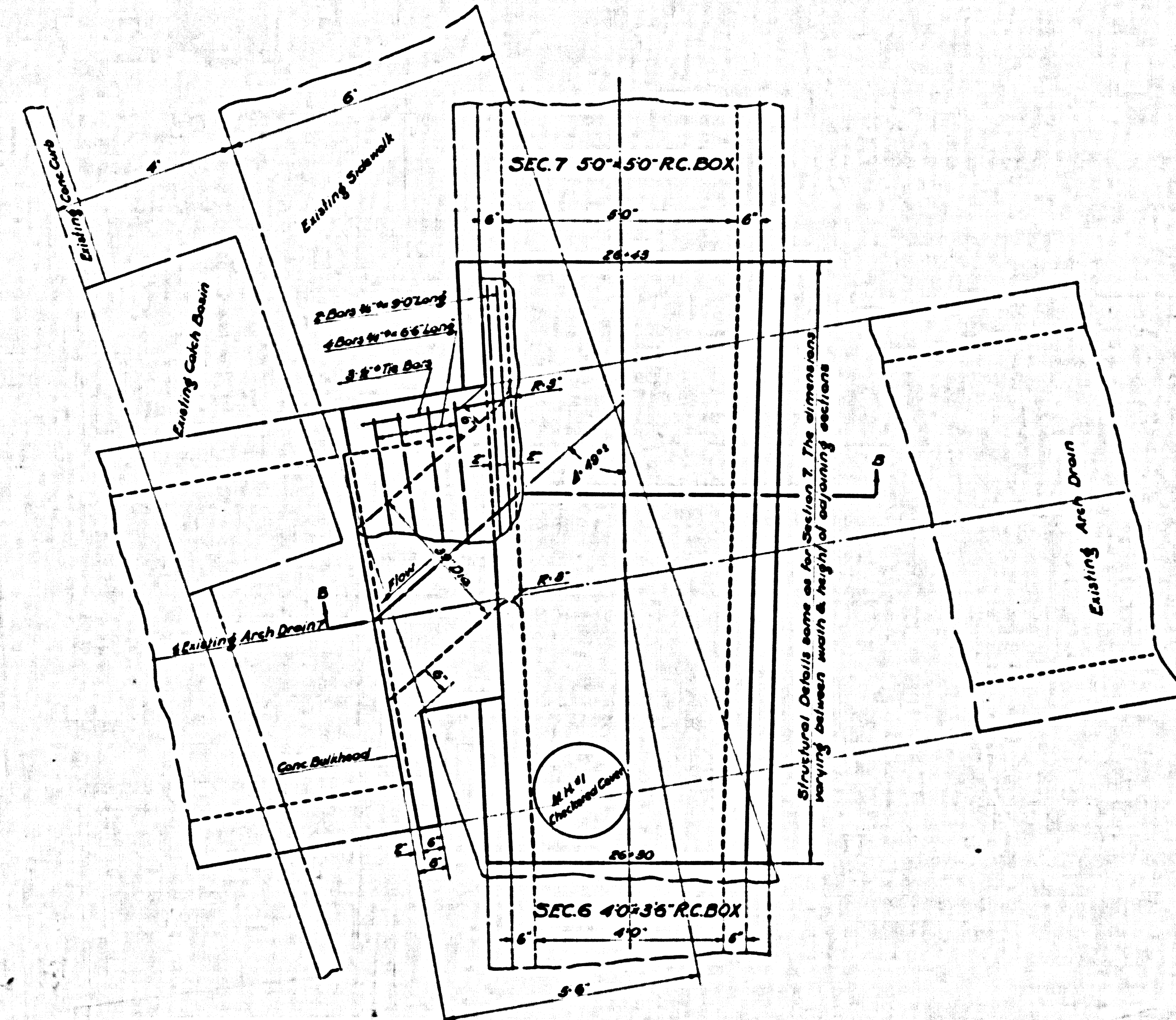
C2 Bar 6" x 16" x 8'9"



F1 Bar 6" x 16" varies from 6'6" to 2'11 1/2"

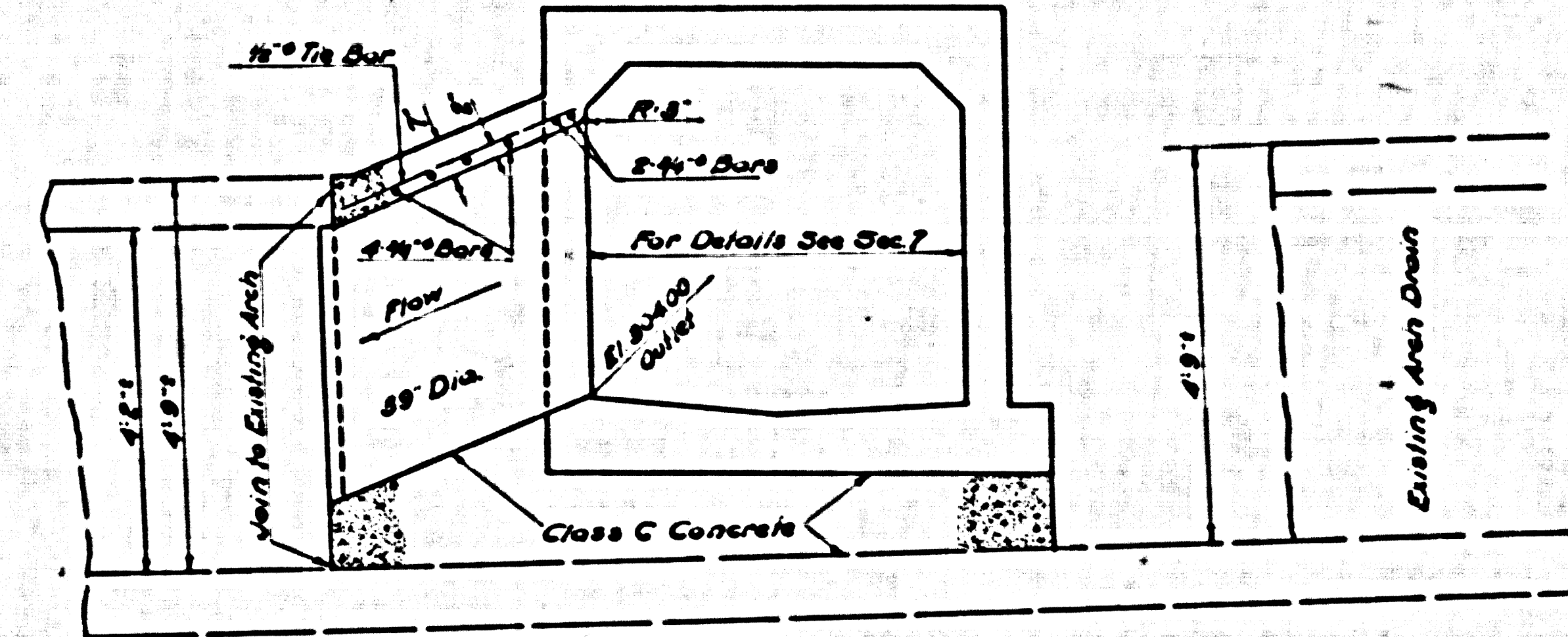


SECTION B-B



PLAN

Note: Tie existing Arch Drain to New Structure and Backfill by allowing reinforcement in existing Arch Drain to extend into New Structure.



SECTION B-B

STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 42+25
Scale: 1/4" = 1'-0"

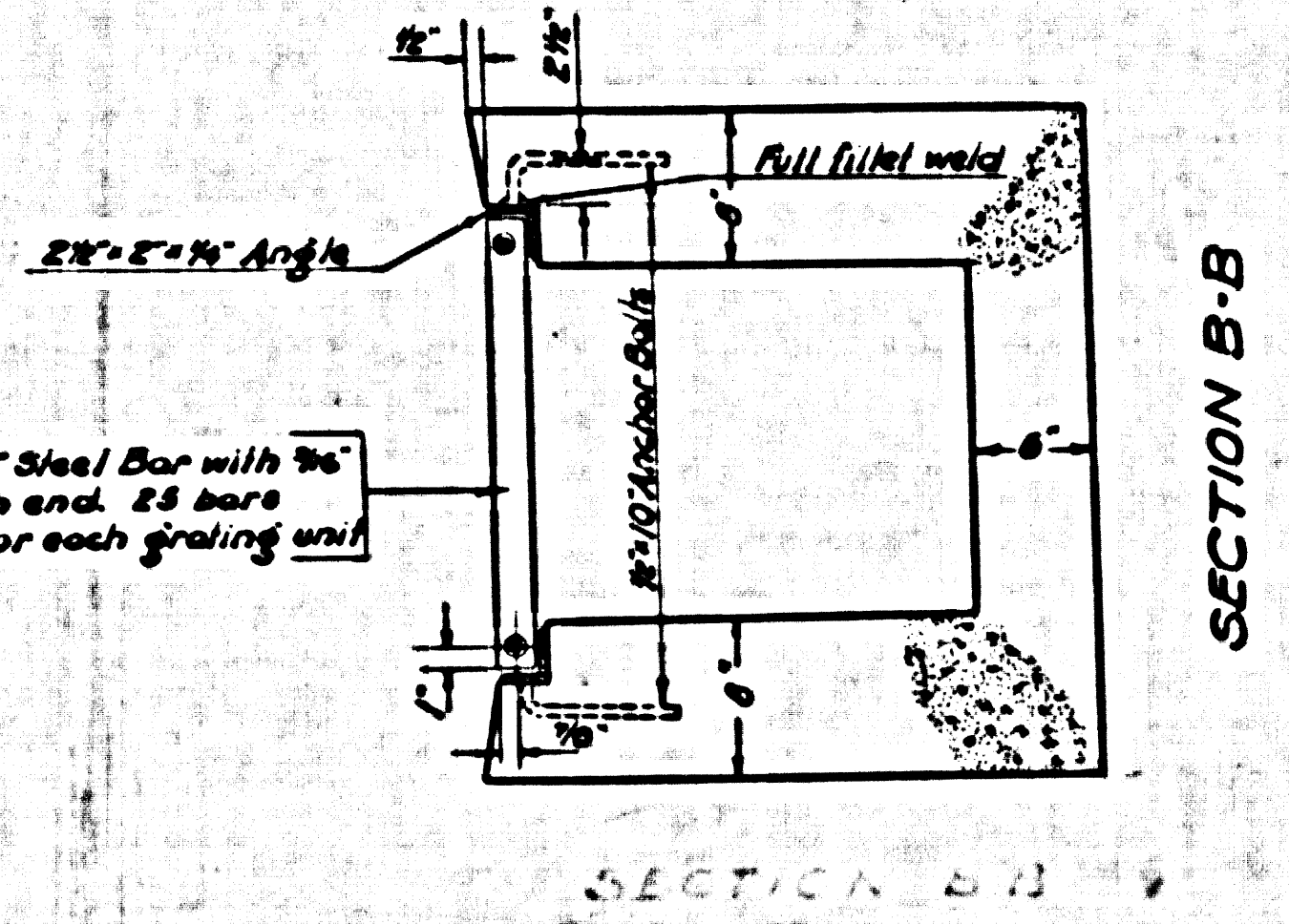
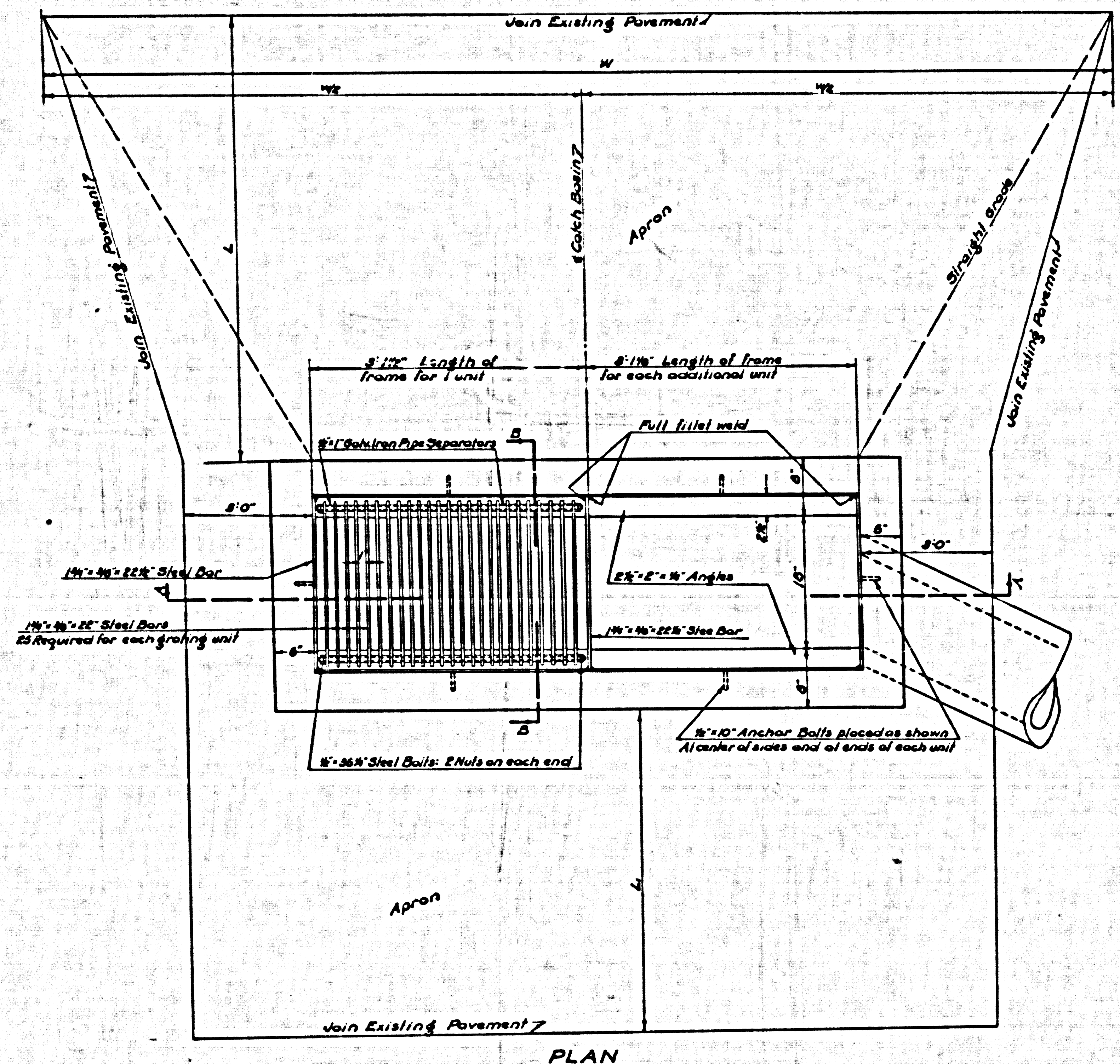
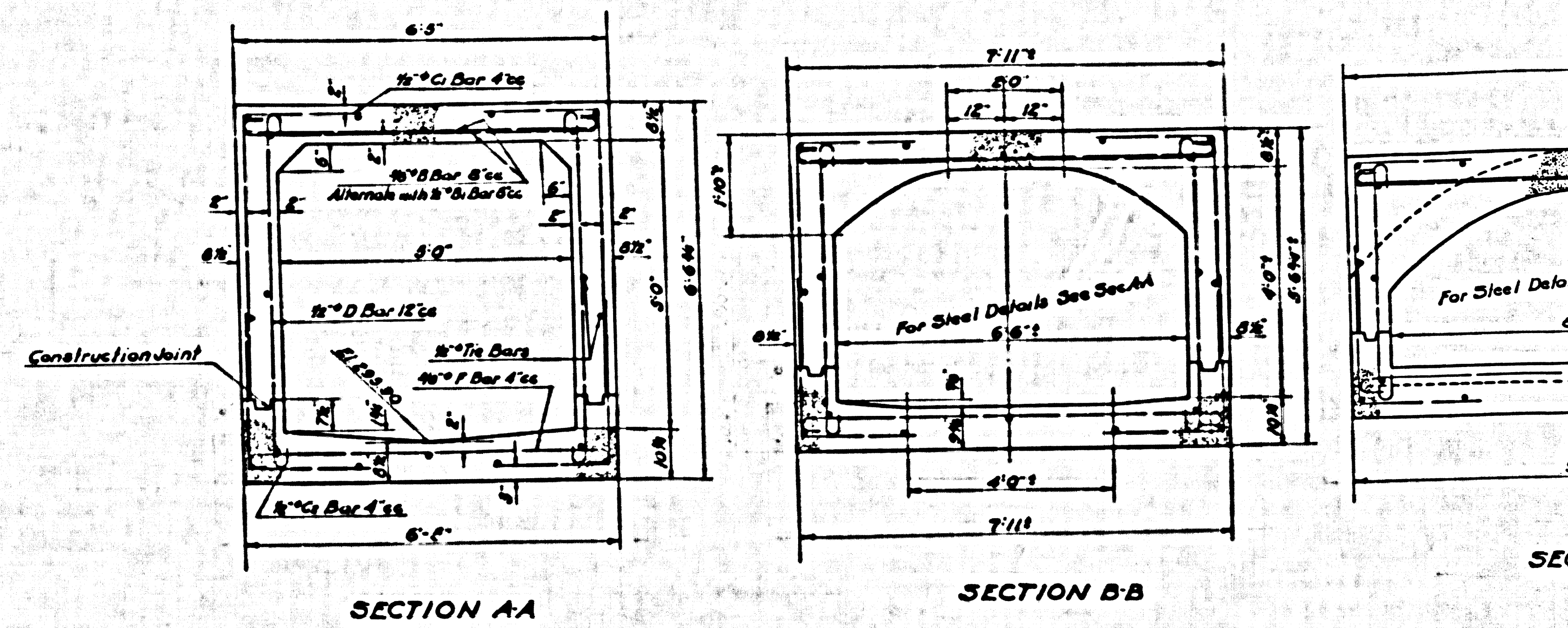
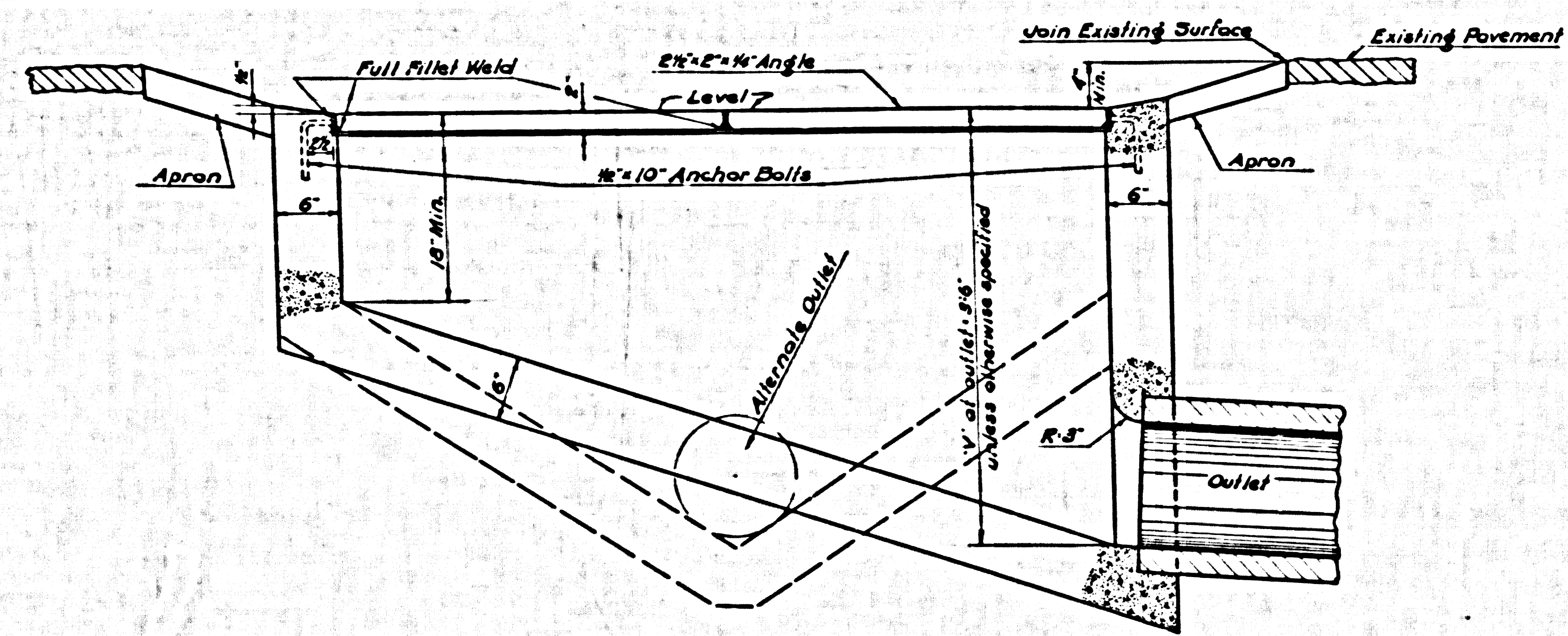
N#6

CSB-1198-2
A8 OF A10

SPECIAL

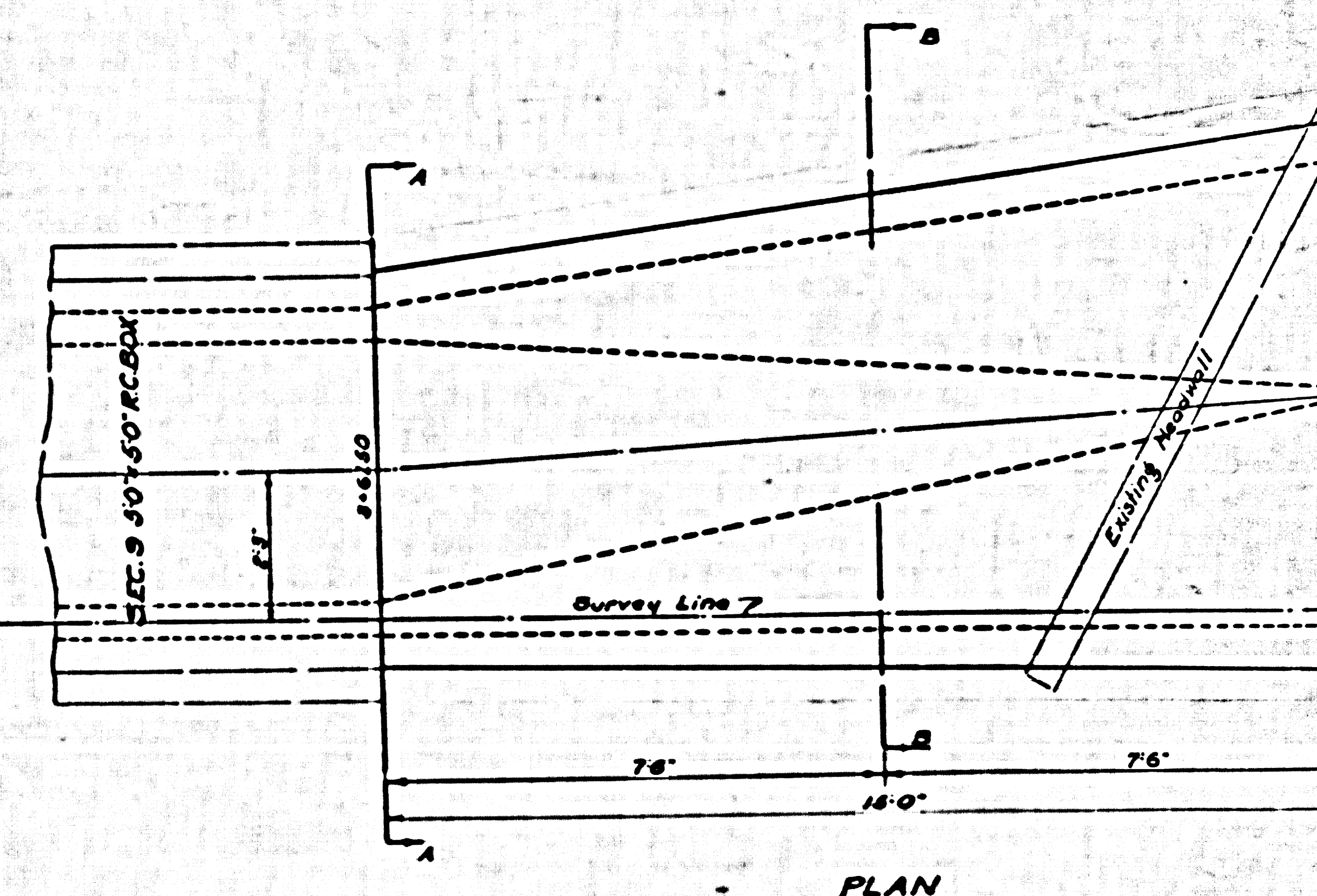
STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 26+30
Scale: 1/4" = 1'-0"

N#5



1/4" x 1/4" x 22" Steel Bar with 90° hooks in each end. 24 bars required for each grating unit.

Note: Frame and Grating shall be Galvanized after assembly.



SPECIAL

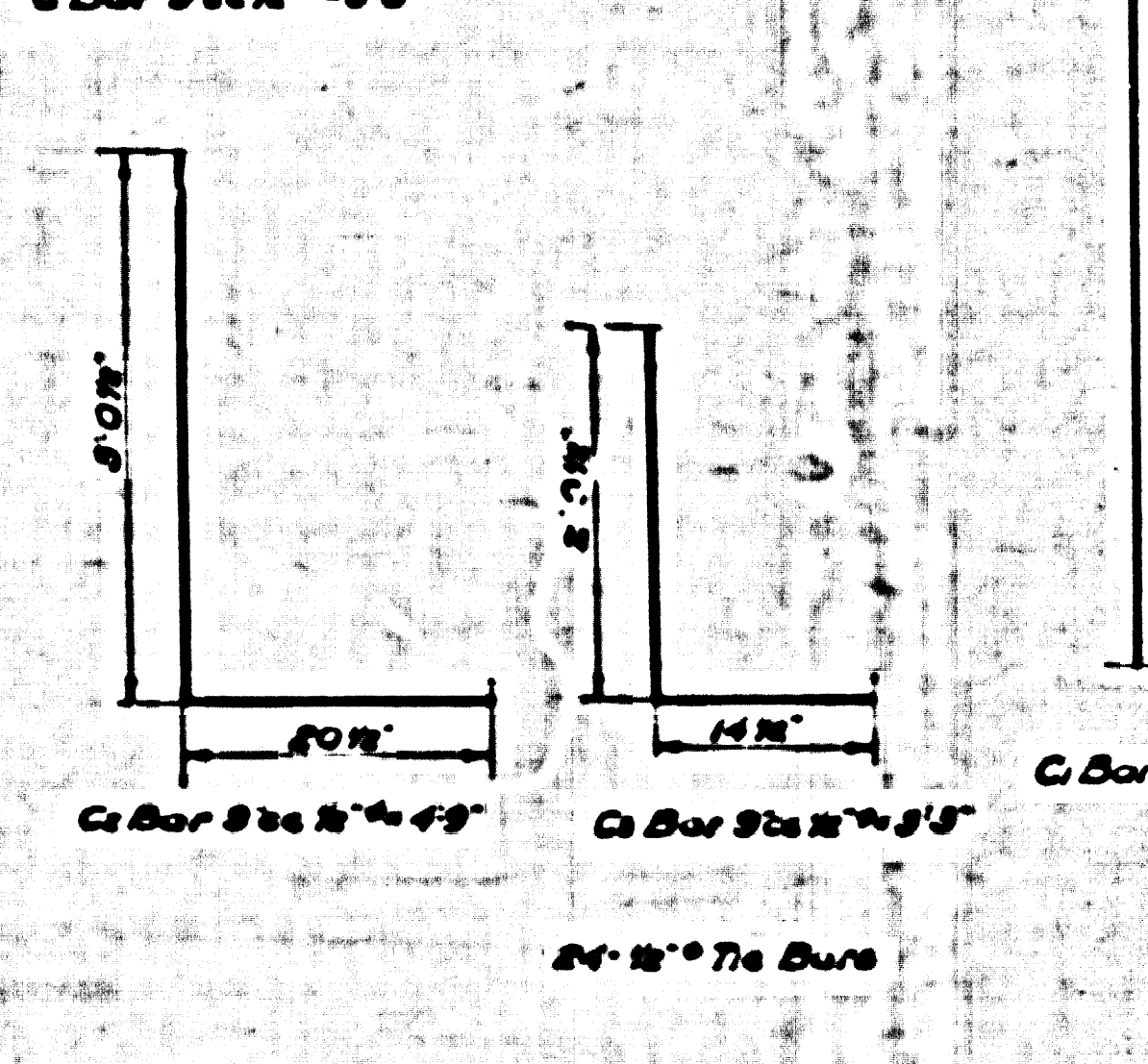
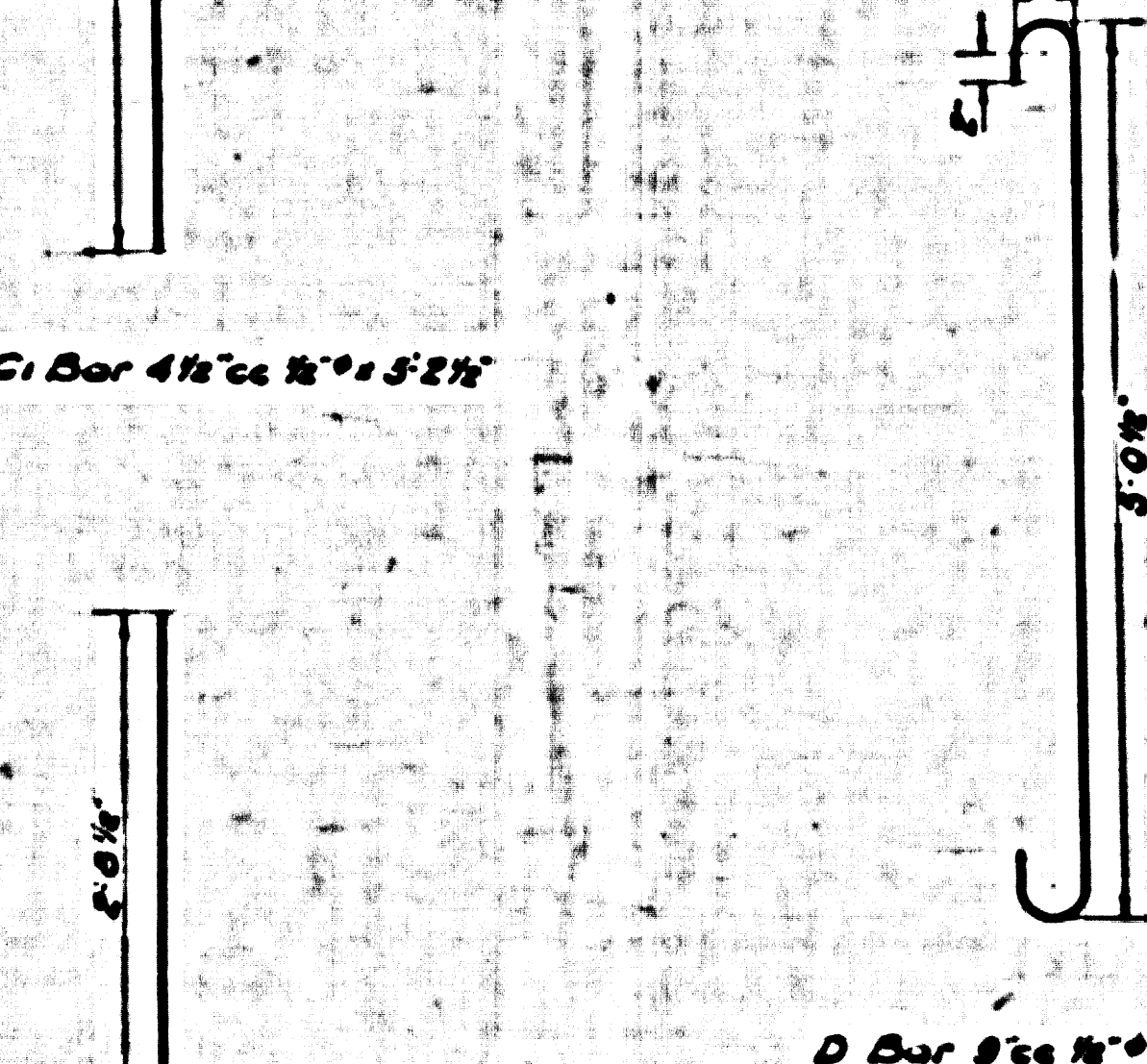
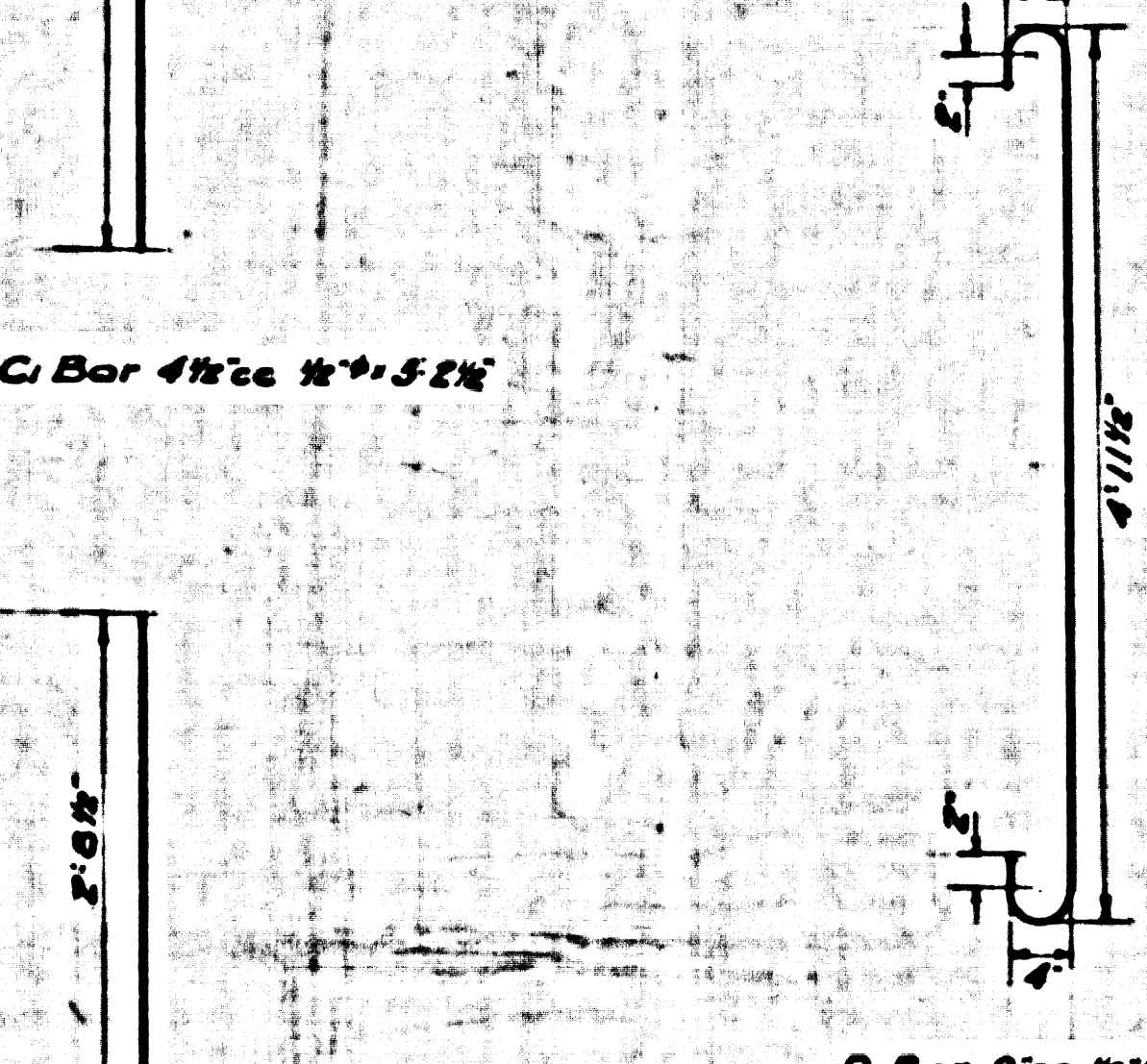
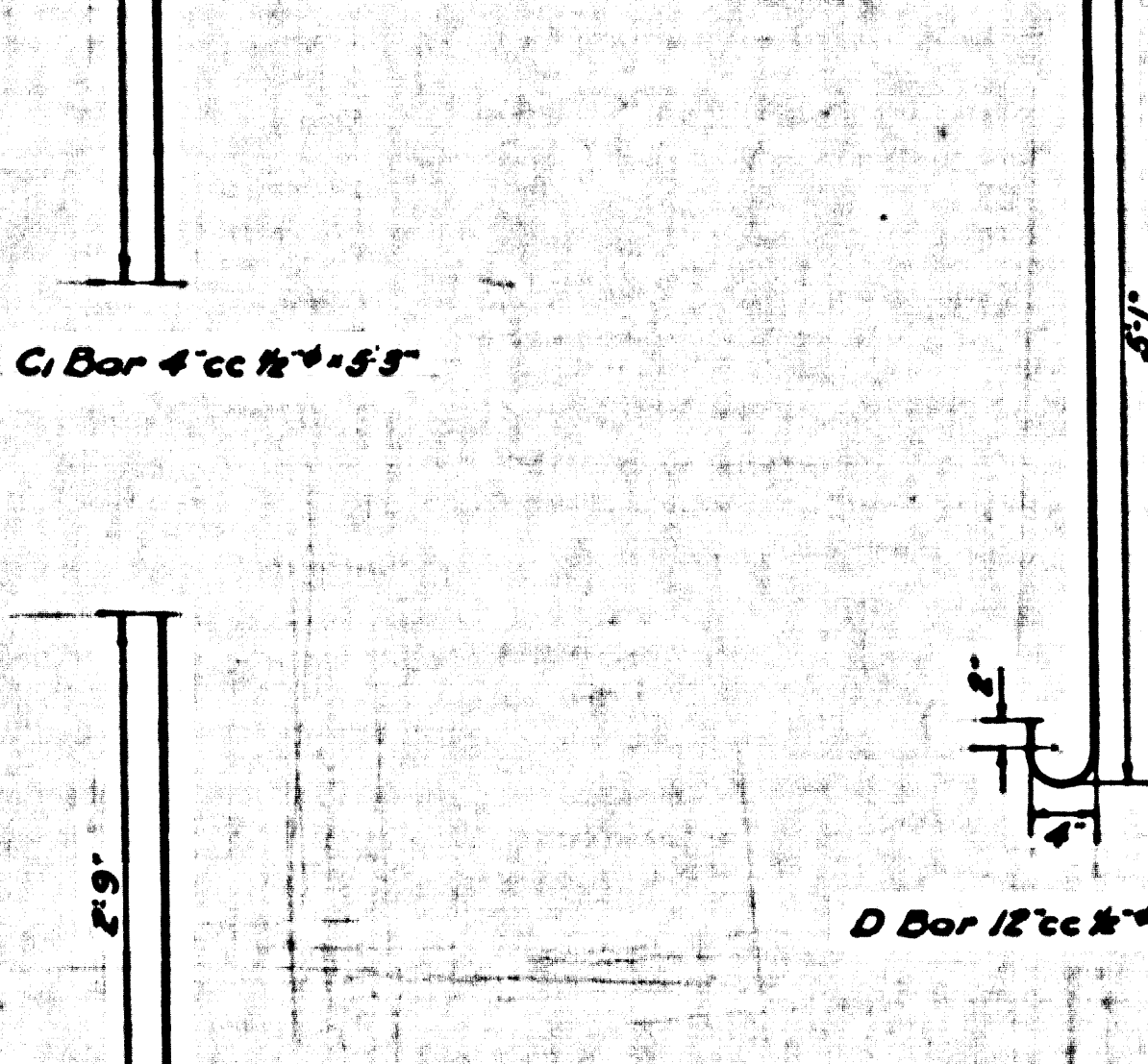
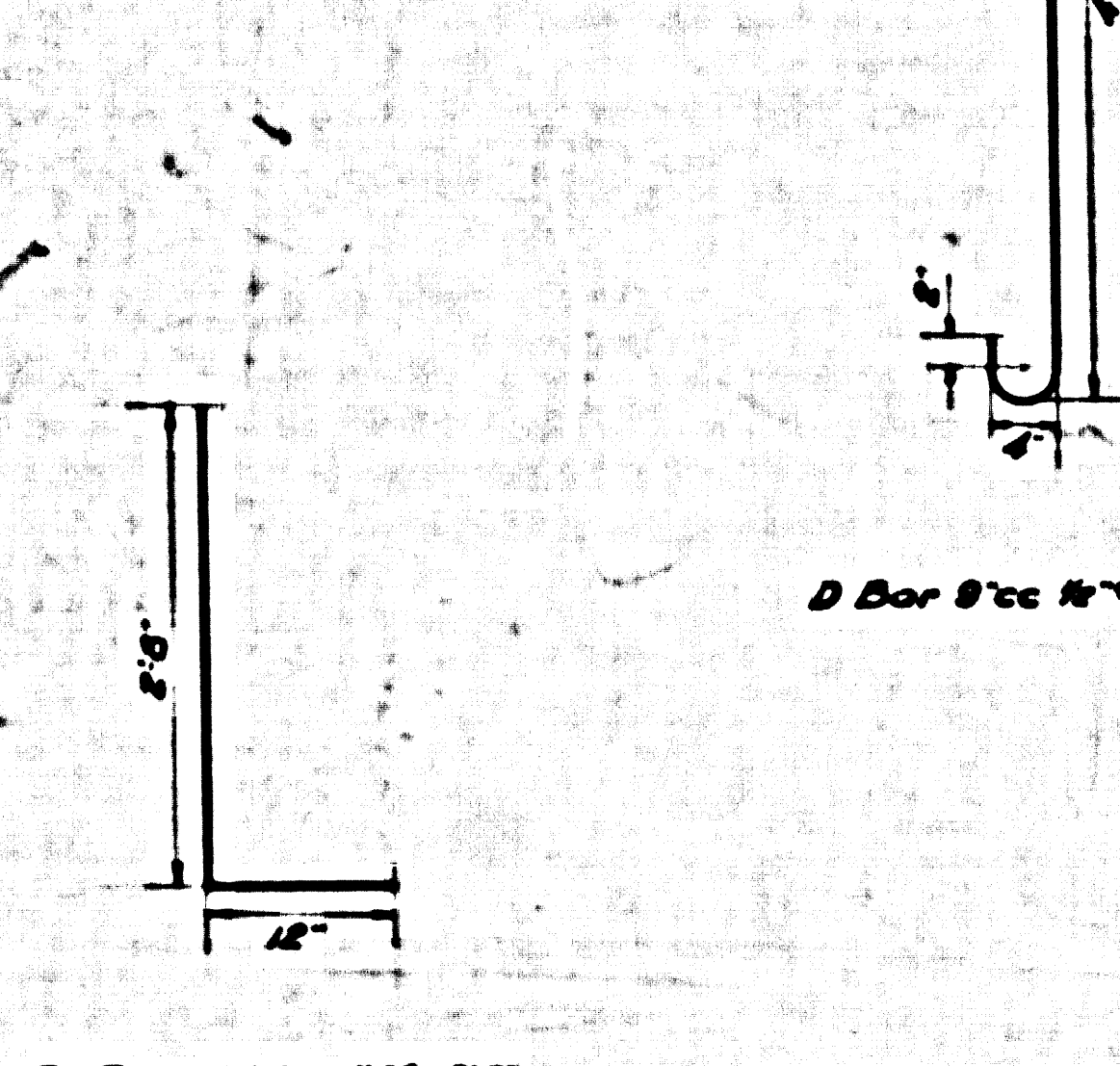
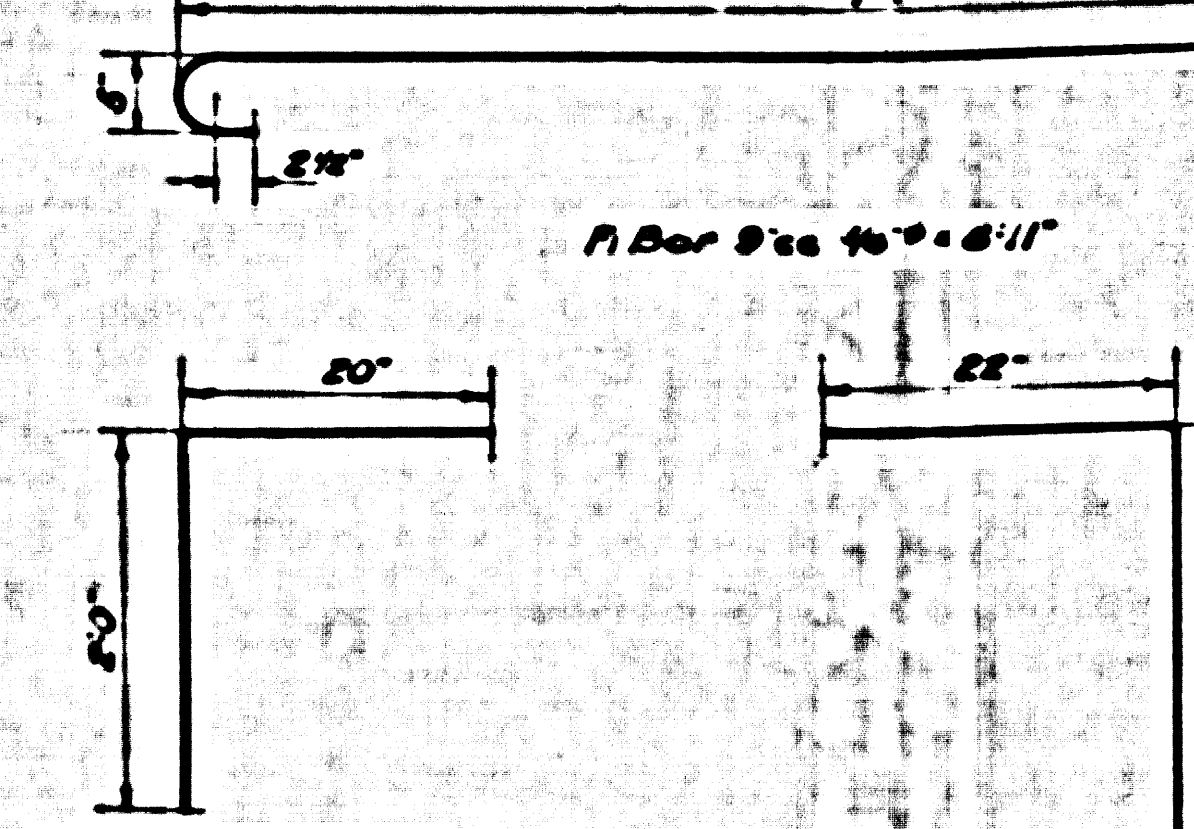
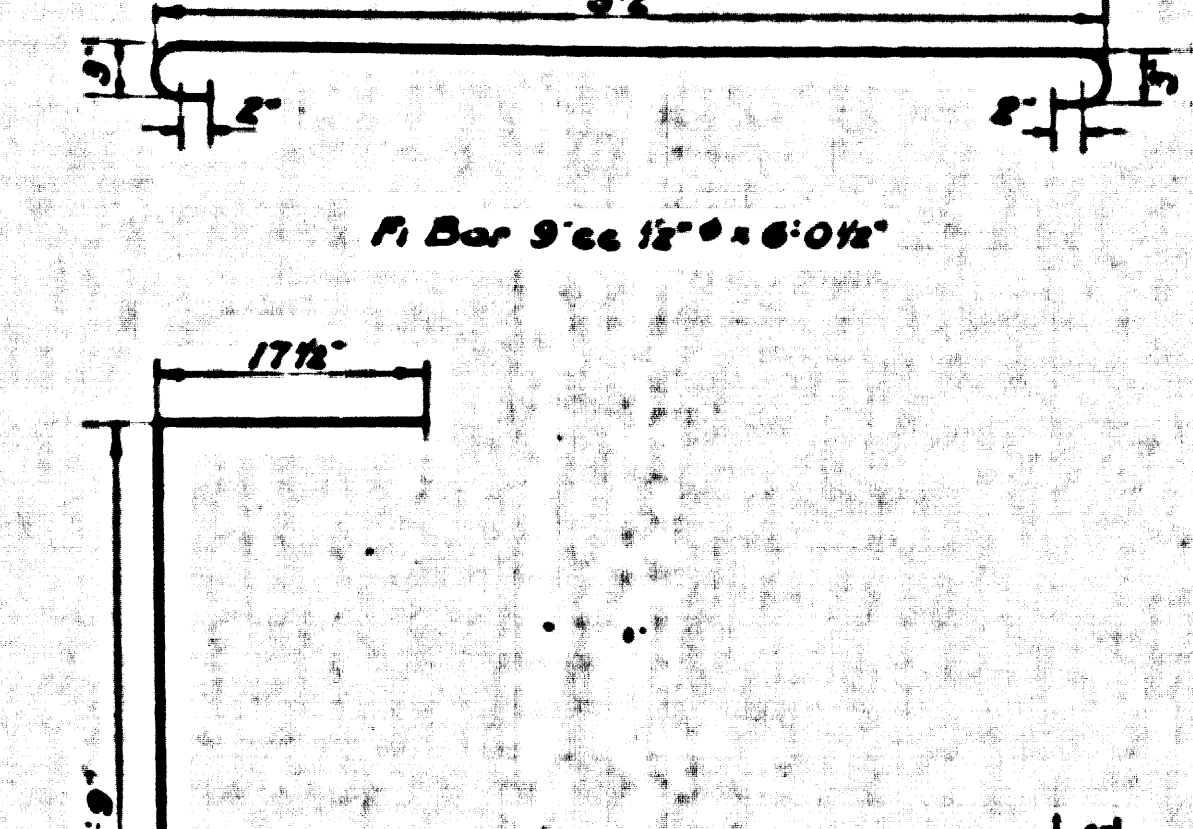
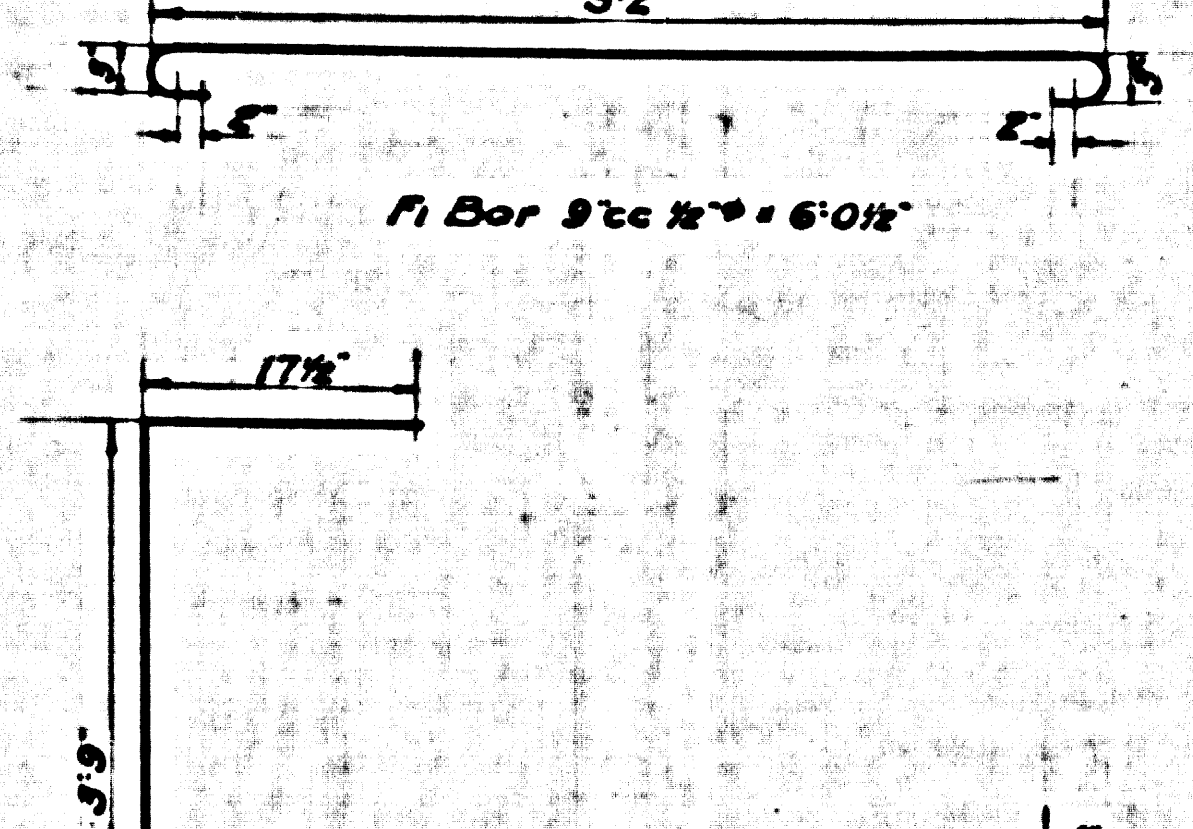
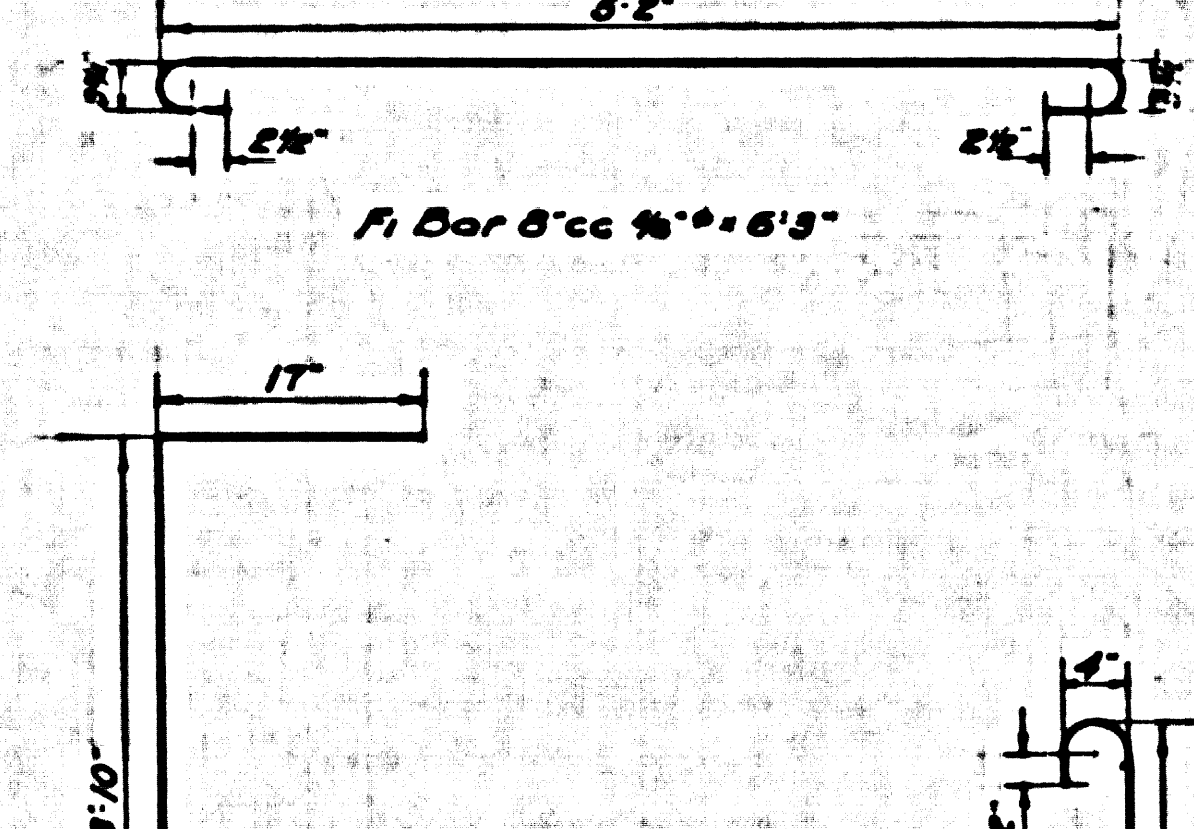
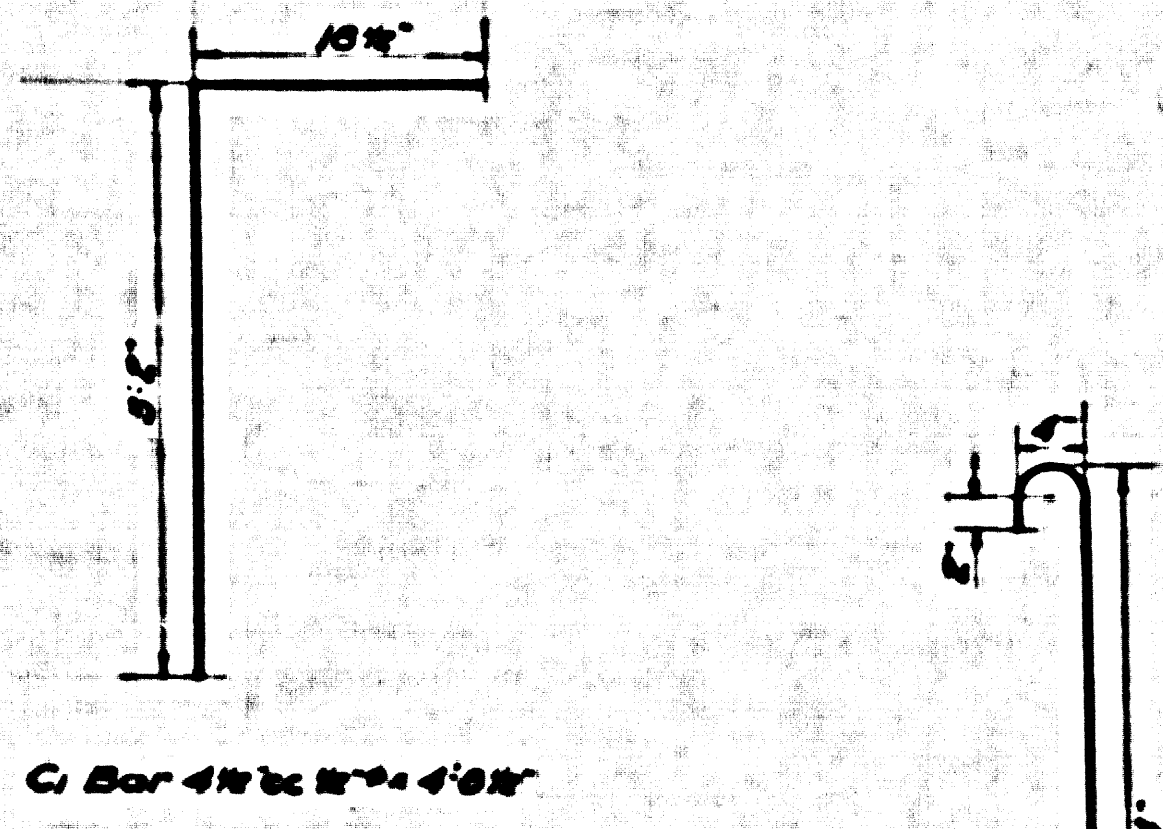
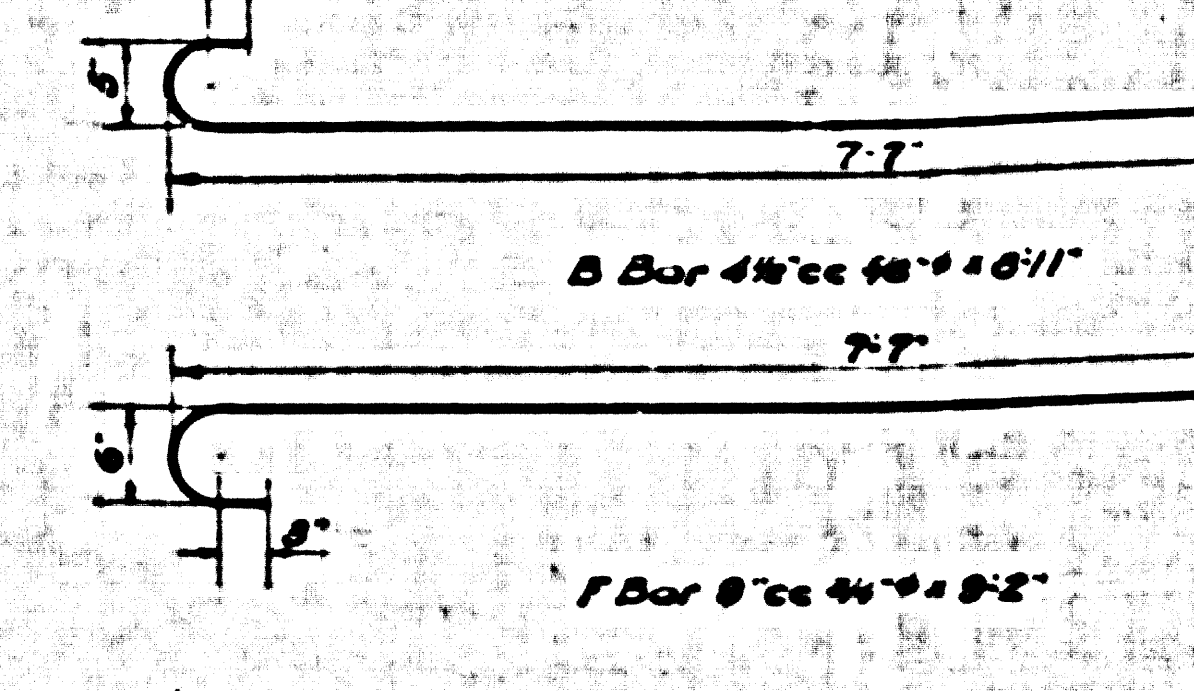
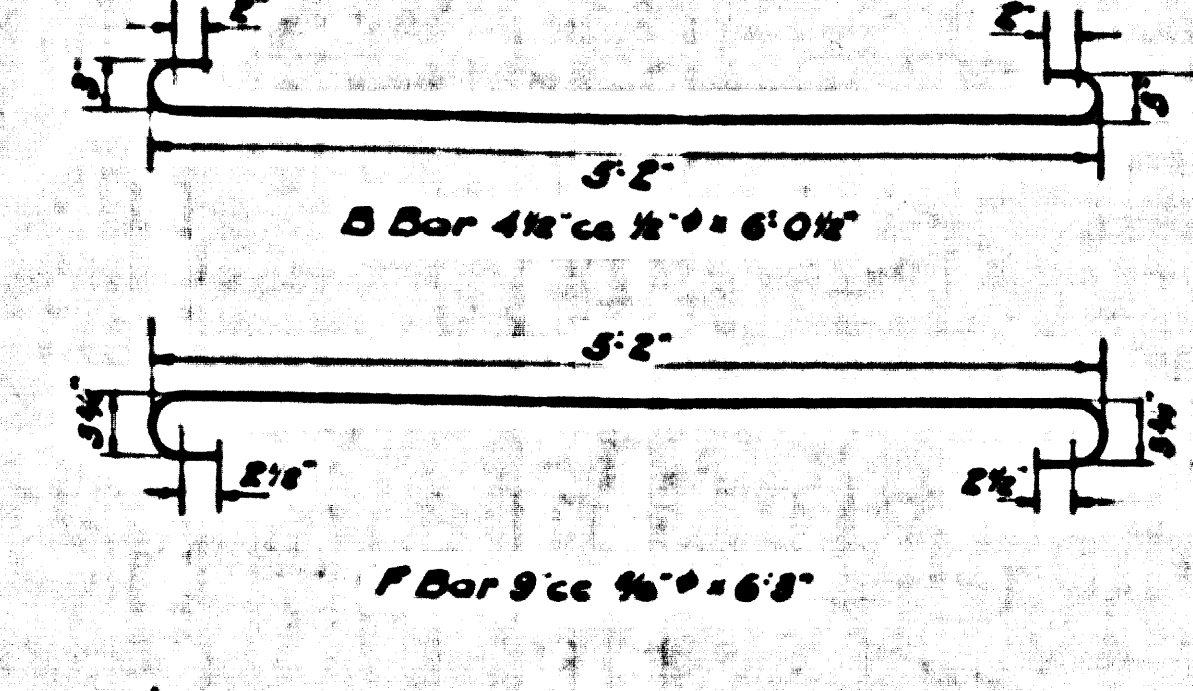
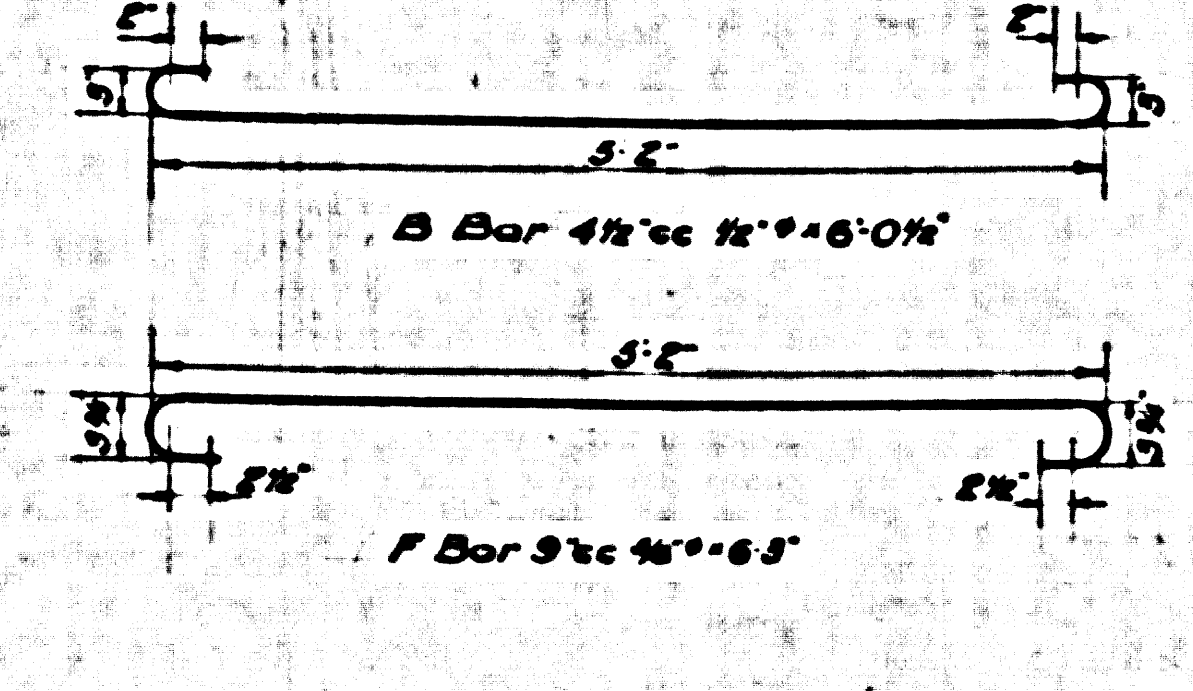
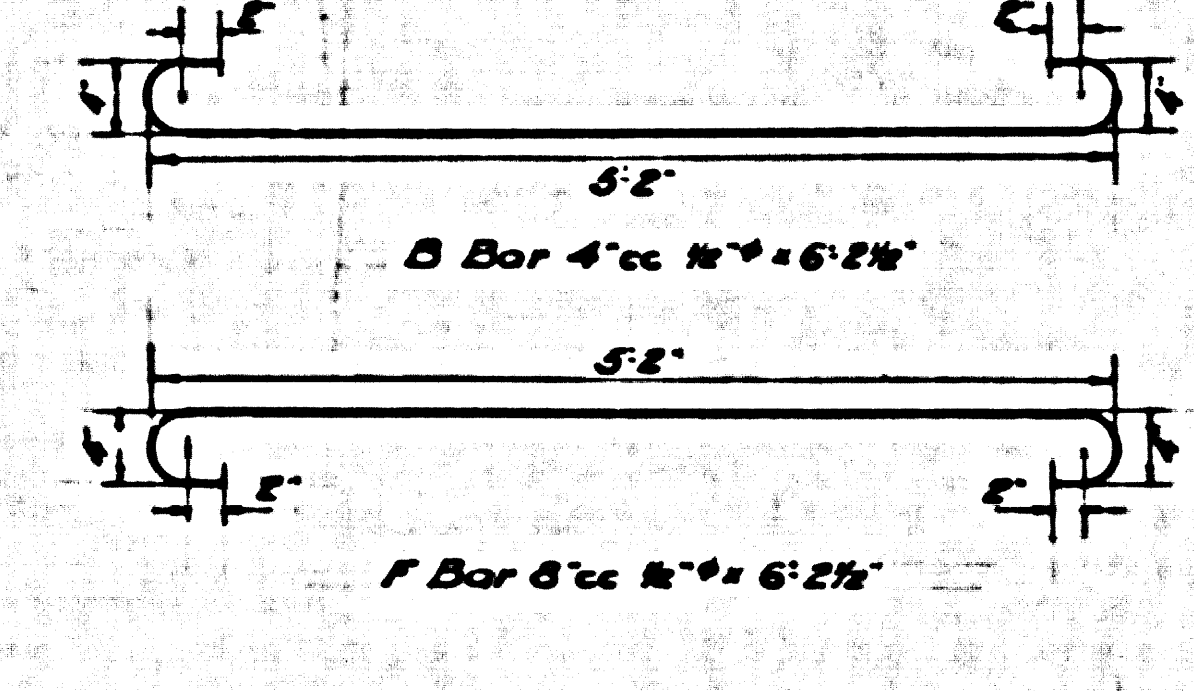
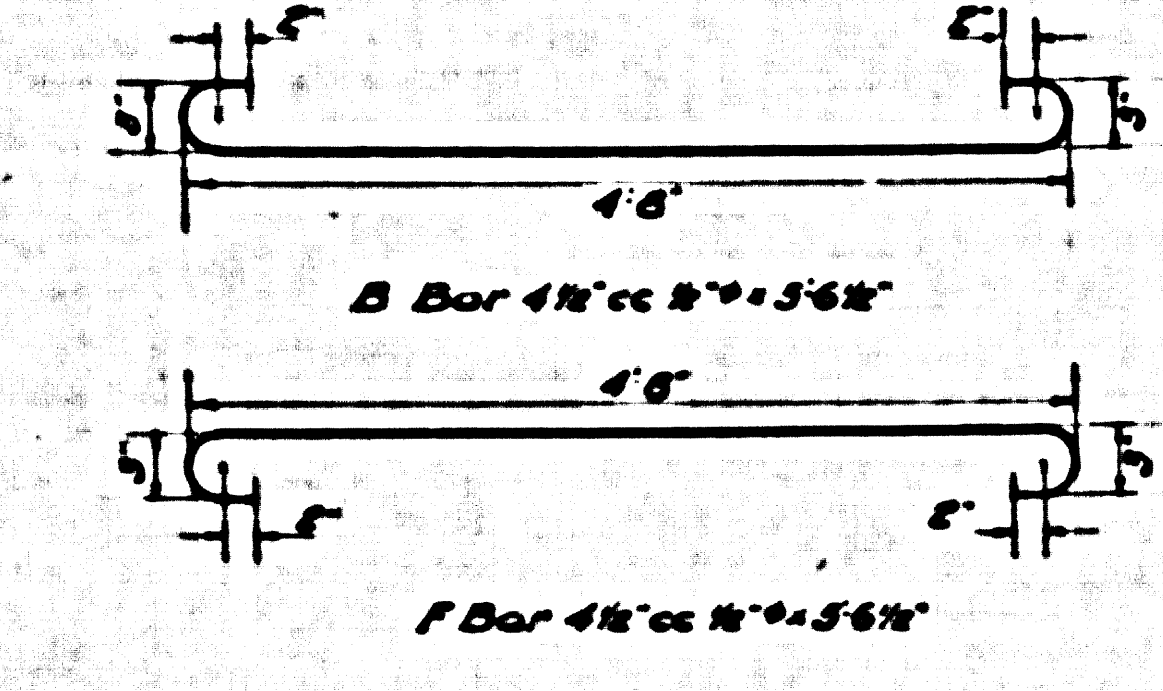
STRUCTURE
COUNTY HOSPITAL TRUNK

No 8

CSB-1198-2
A10 OF A10.

SPECIAL

STRU
LORD STR
57A
3ca



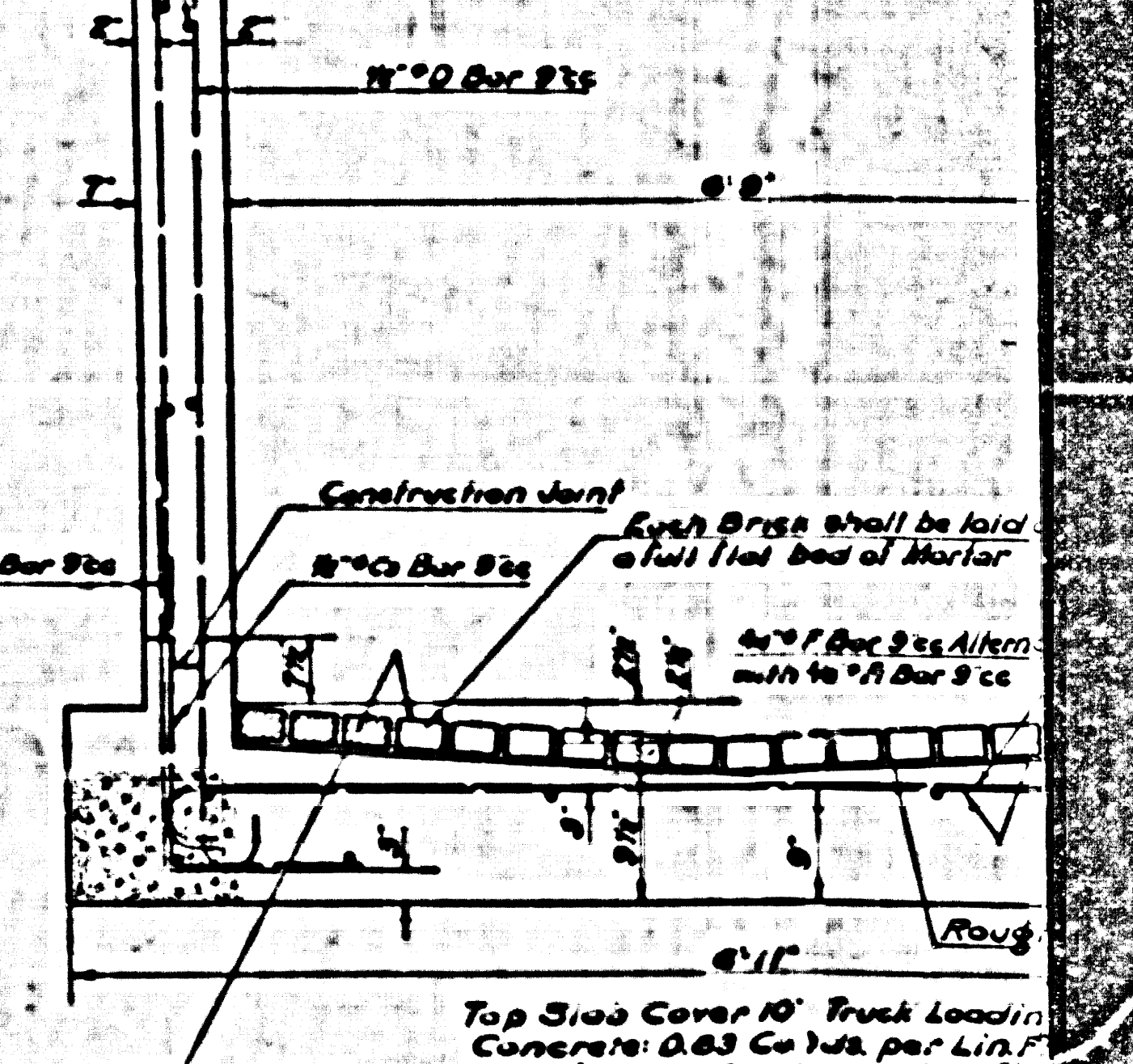
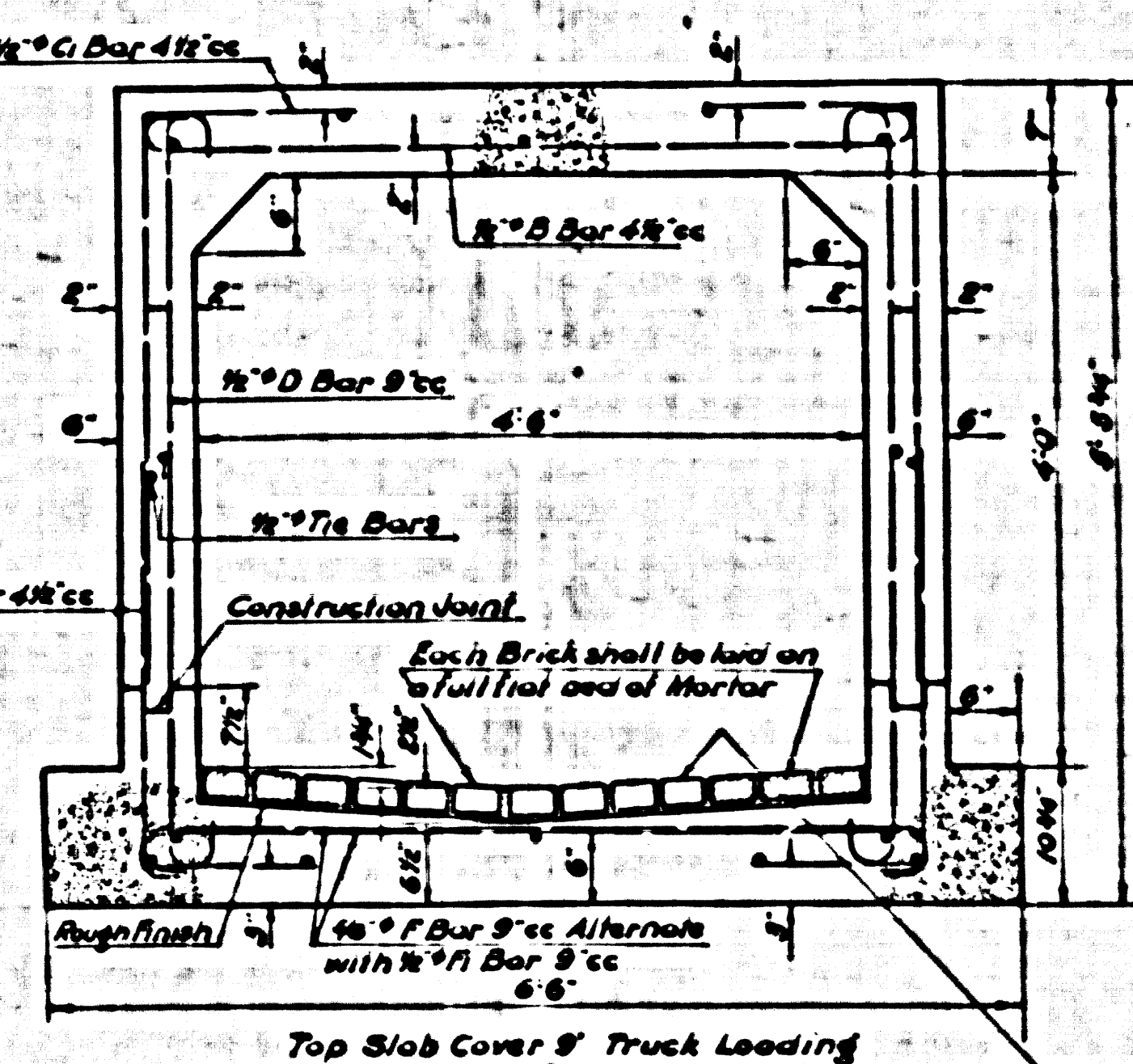
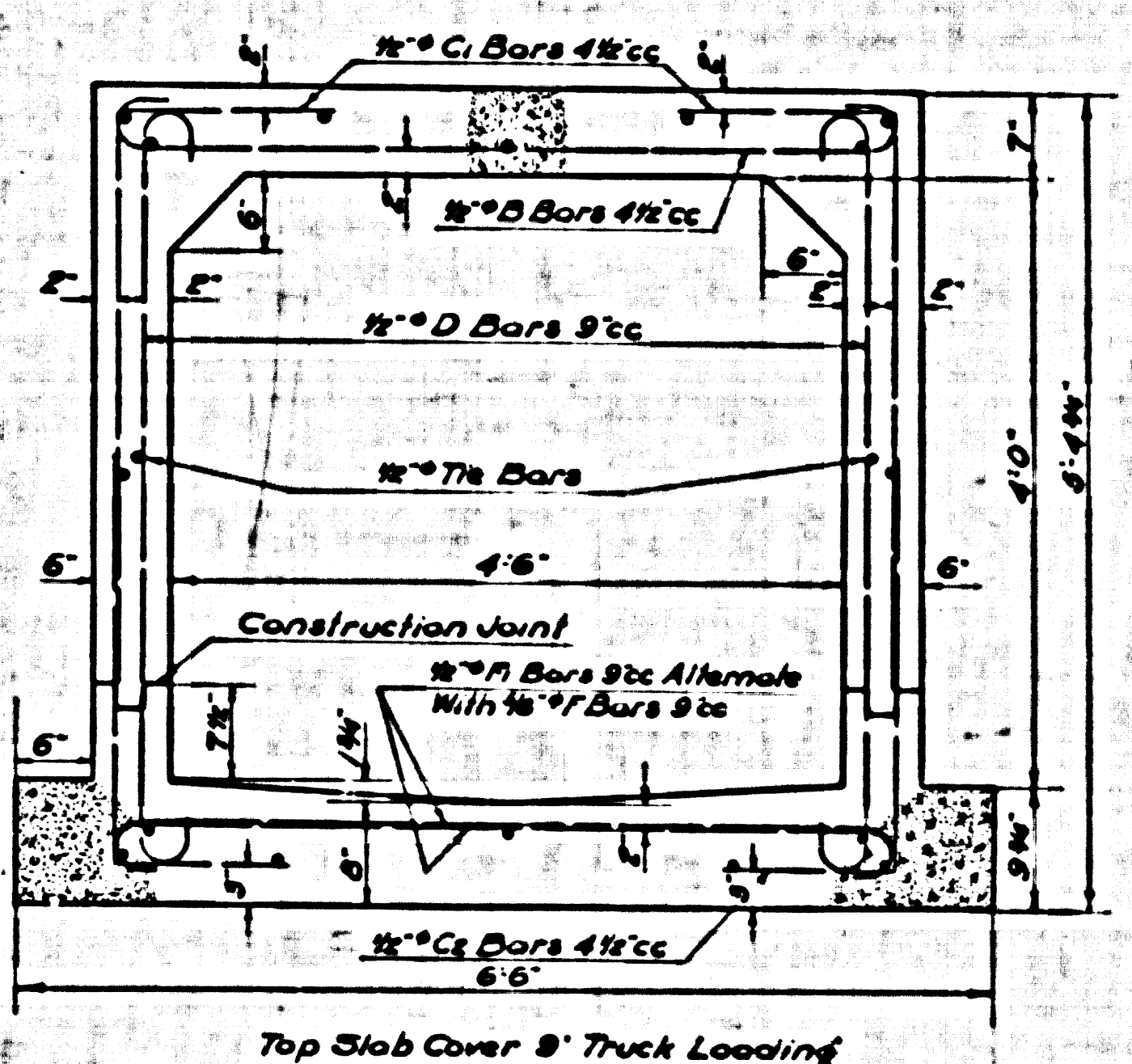
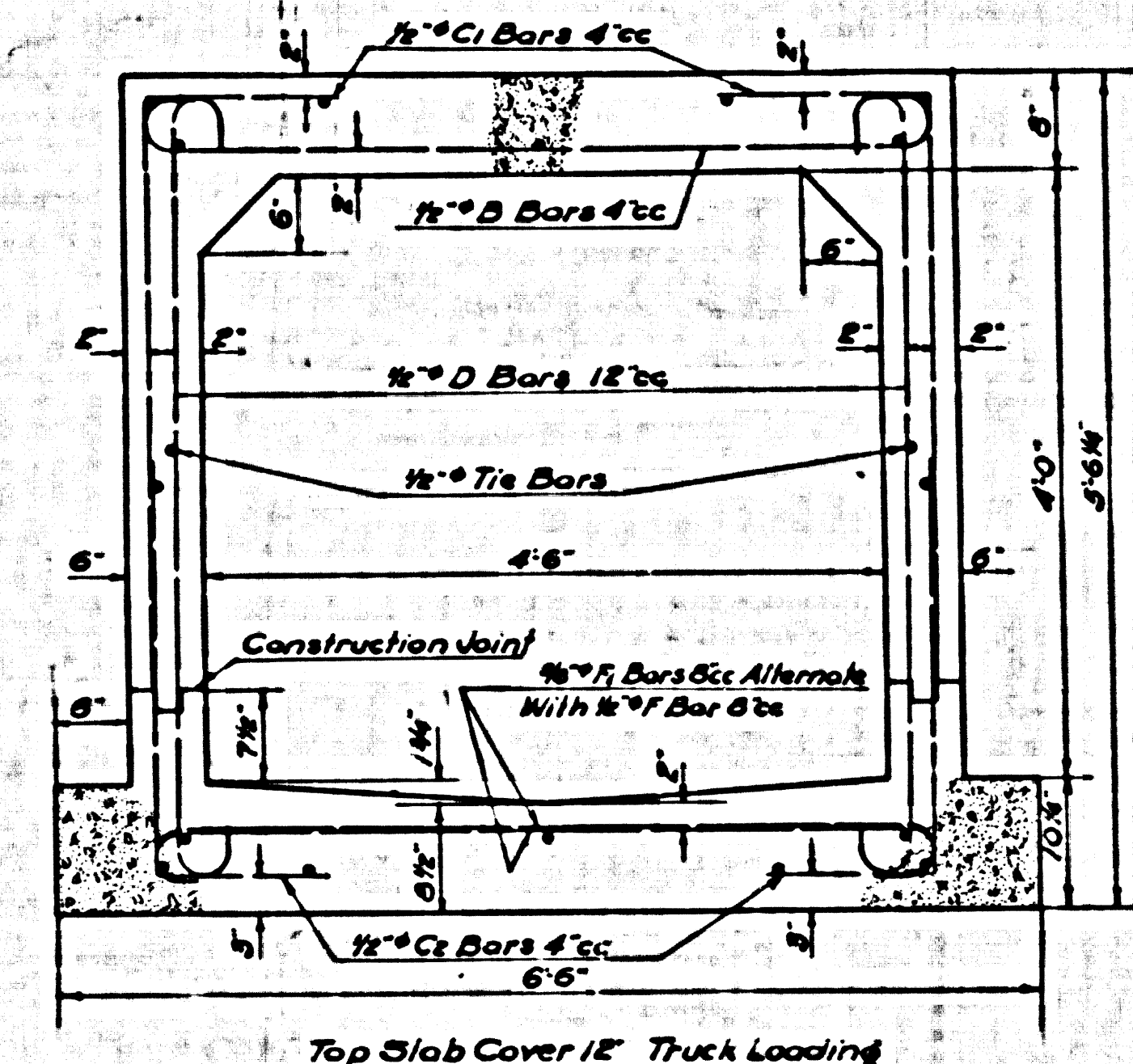
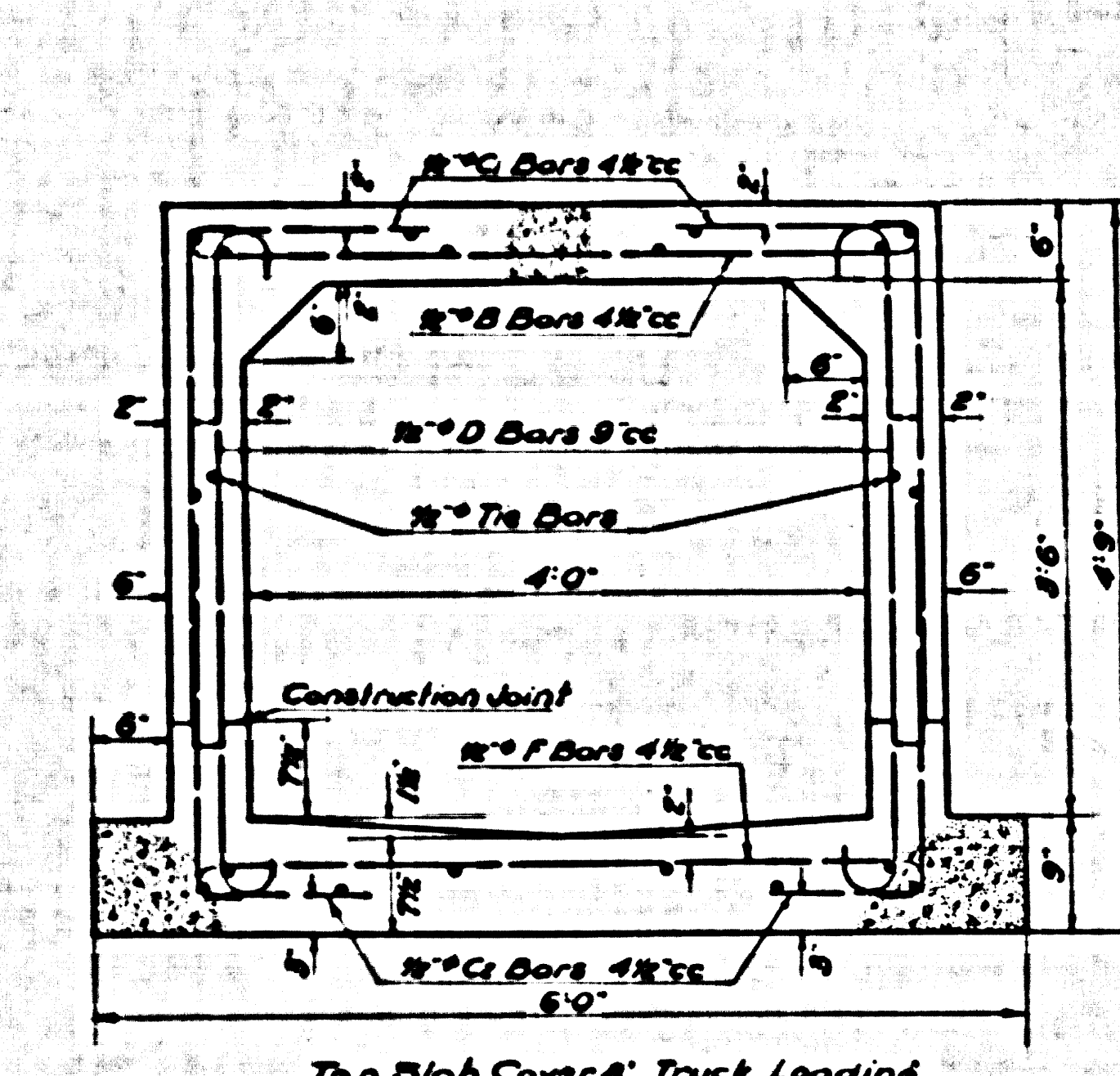
10# 7/8" Tie Bars

10# 7/8" Tie Bars

10# 7/8" Tie Bars

10# 7/8" Tie Bars

10# 7/8" Tie Bars



SECTION 6
REINF. CONC. BOX 4'0" x 3'6"
COUNTY HOSPITAL TRUNK
Scale: 1/4" = 1'-0"

SECTION 5
REINF. CONC. BOX 4'6" x 4'0"
COUNTY HOSPITAL TRUNK
Scale: 1/4" = 1'-0"

SECTION 4
REINF. CONC. BOX 4'6" x 4'0"
COUNTY HOSPITAL TRUNK
Scale: 1/4" = 1'-0"

SECTION 3
REINF. CONC. BOX 4'6" x 4'0"
COUNTY HOSPITAL TRUNK
Scale: 1/4" = 1'-0"

SECTION 2
REINF. CONC. BOX 6'9" x 6'0"
COUNTY HOSPITAL TRUNK
Scale: 1/4" = 1'-0"

CSB-1198-2
A2 OF A10

Top Slab Cover 10" Truck Loading
Concrete 0.53 Cu Yds. per Lin. Ft.
Reinf. Steel 78 lbs. per Lin. Ft.

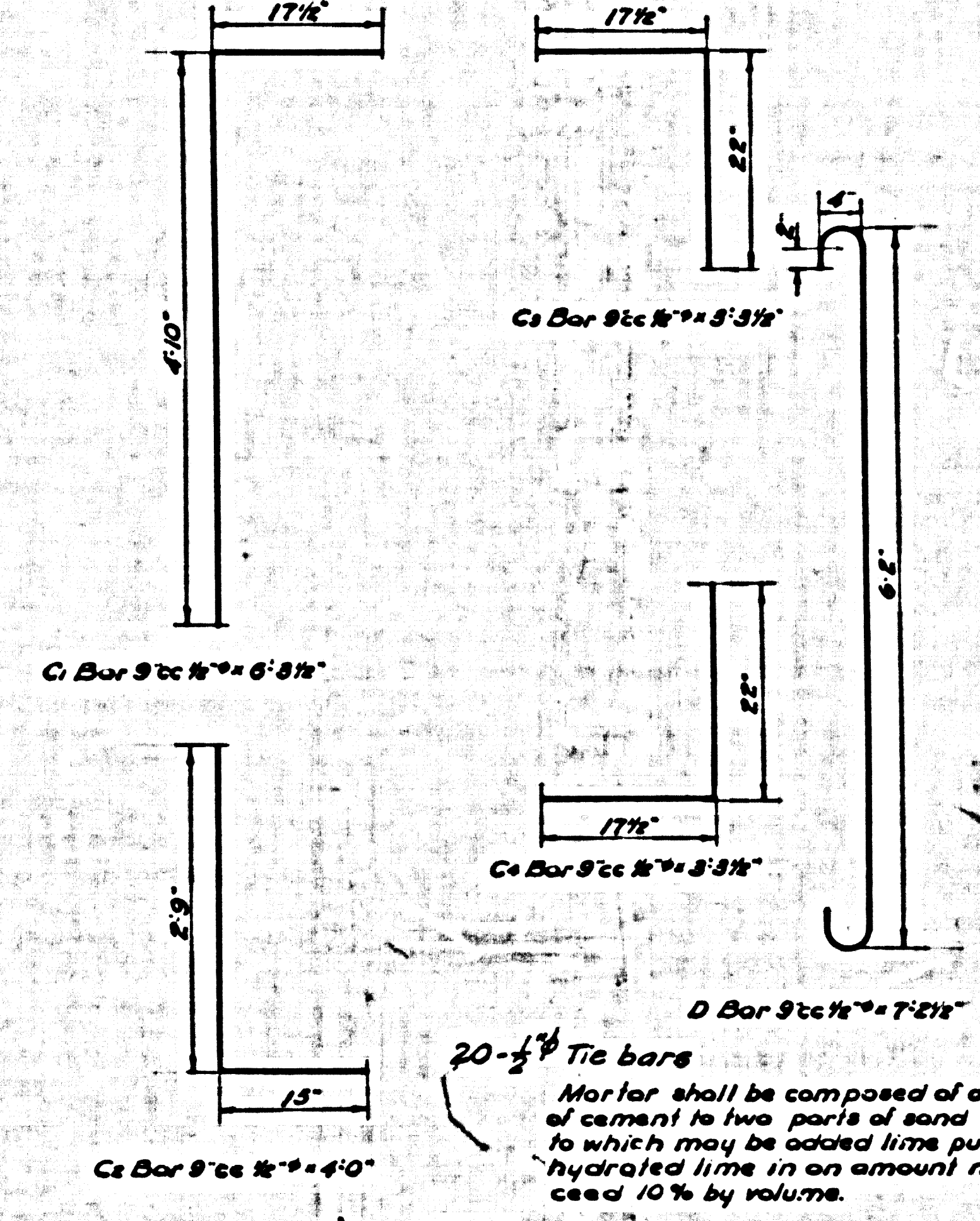
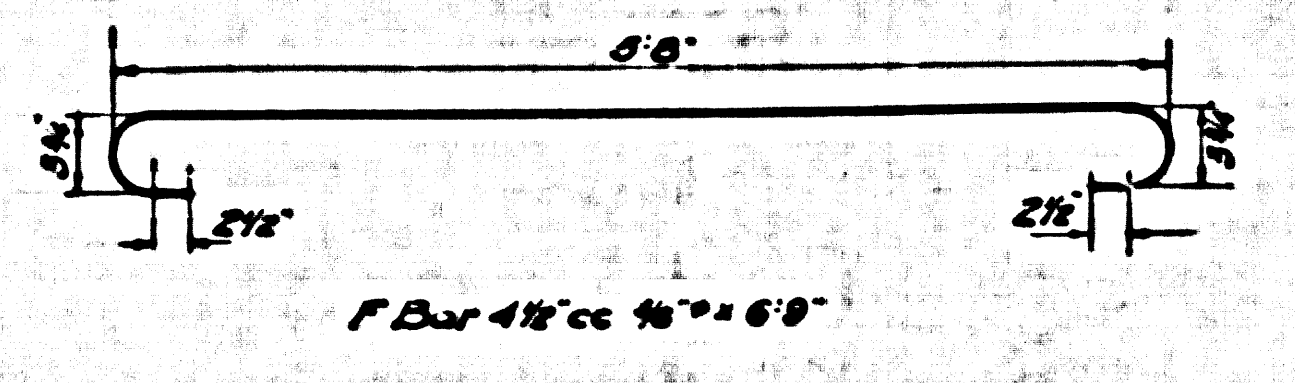
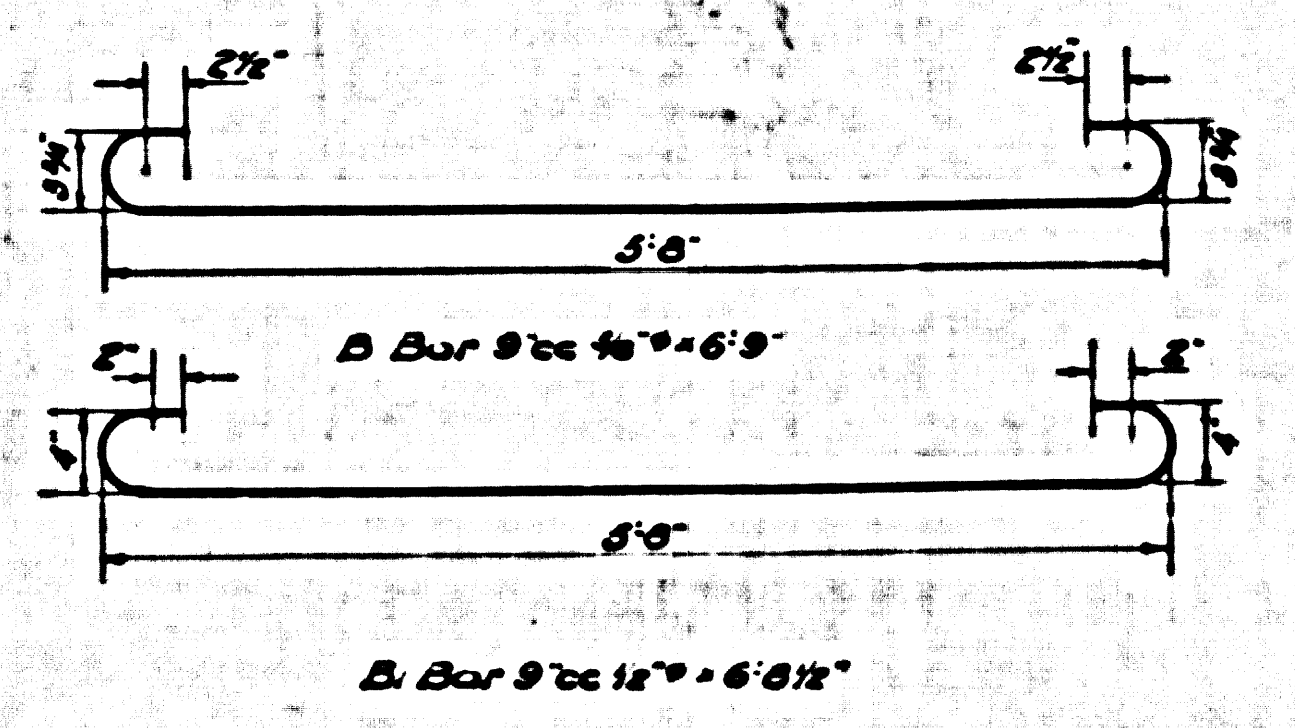
Top Slab Cover 12" Truck Loading
Concrete 0.48 Cu Yds. per Lin. Ft.
Reinf. Steel 85 lbs. per Lin. Ft.

Top Slab Cover 8" Truck Loading
Concrete 0.46 Cu Yds. per Lin. Ft.
Reinf. Steel 80 lbs. per Lin. Ft.

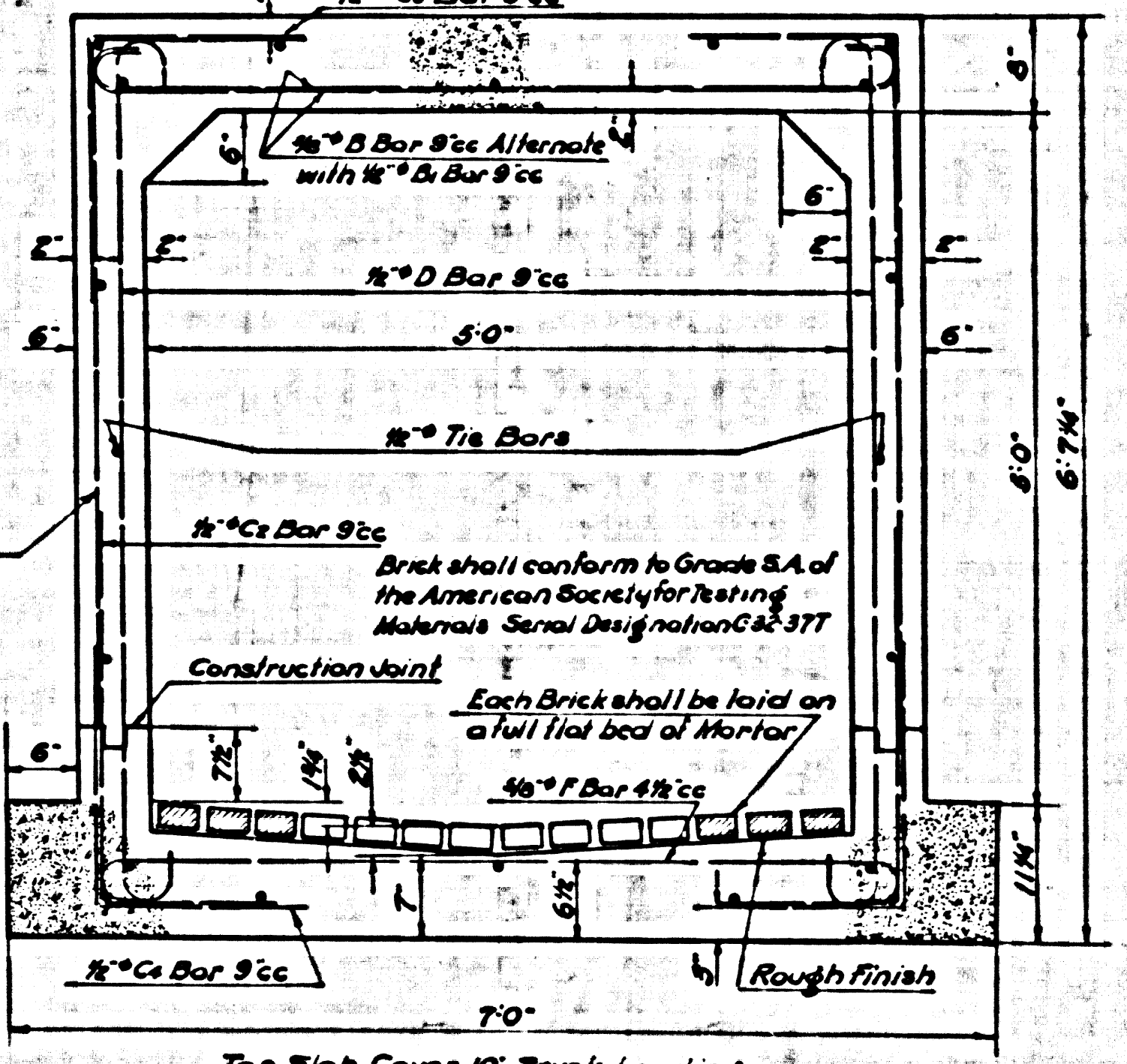
Top Slab Cover 8" Truck Loading
Concrete 0.44 Cu Yds. per Lin. Ft.
Reinf. Steel 80 lbs. per Lin. Ft.
Brick 10.30 per Lin. Ft.

Top Slab Cover 10" Truck Loading
Concrete 0.63 Cu Yds. per Lin. Ft.
Reinf. Steel 100 lbs. per Lin. Ft.
Brick 26.76 per Lin. Ft.

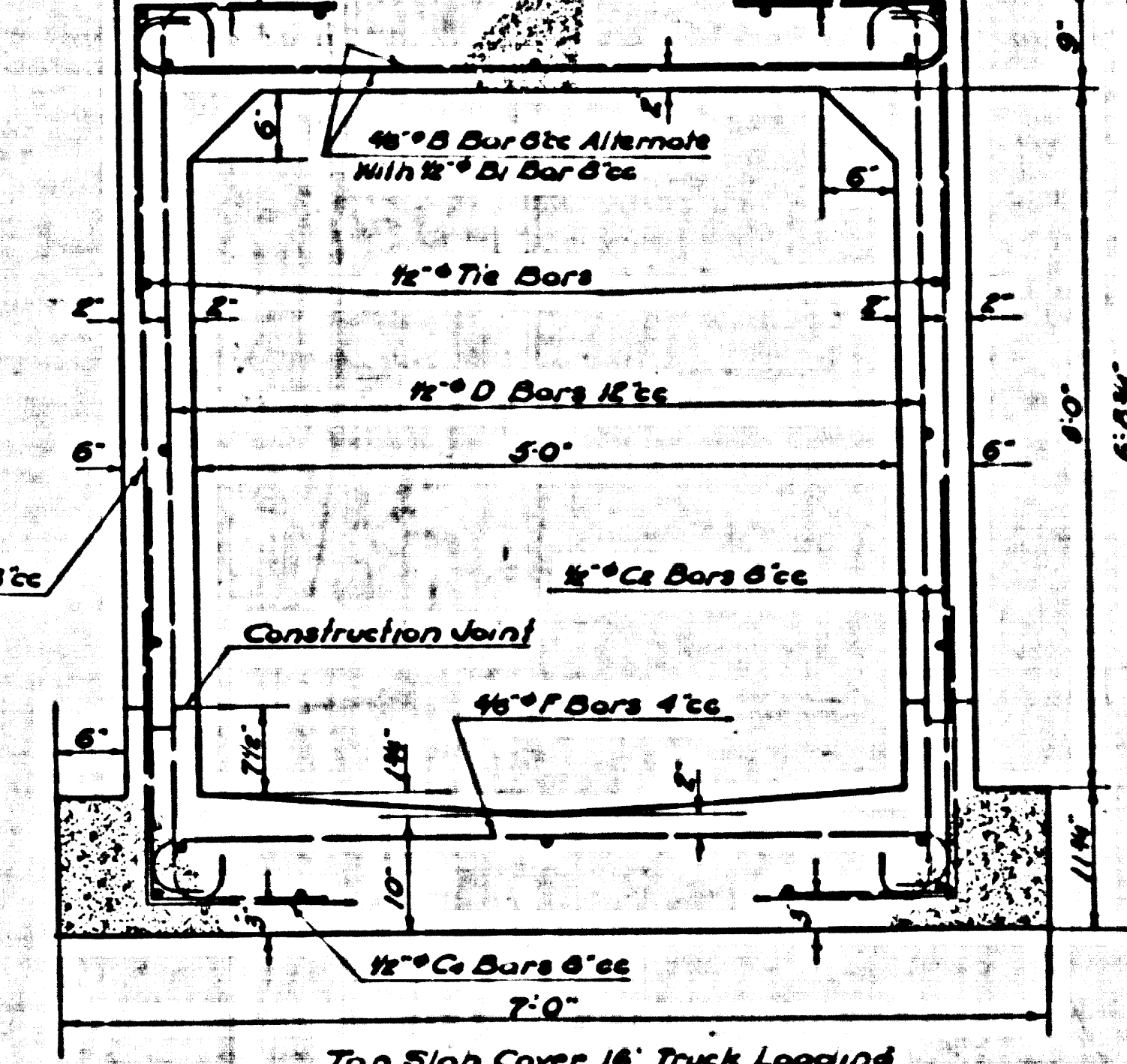
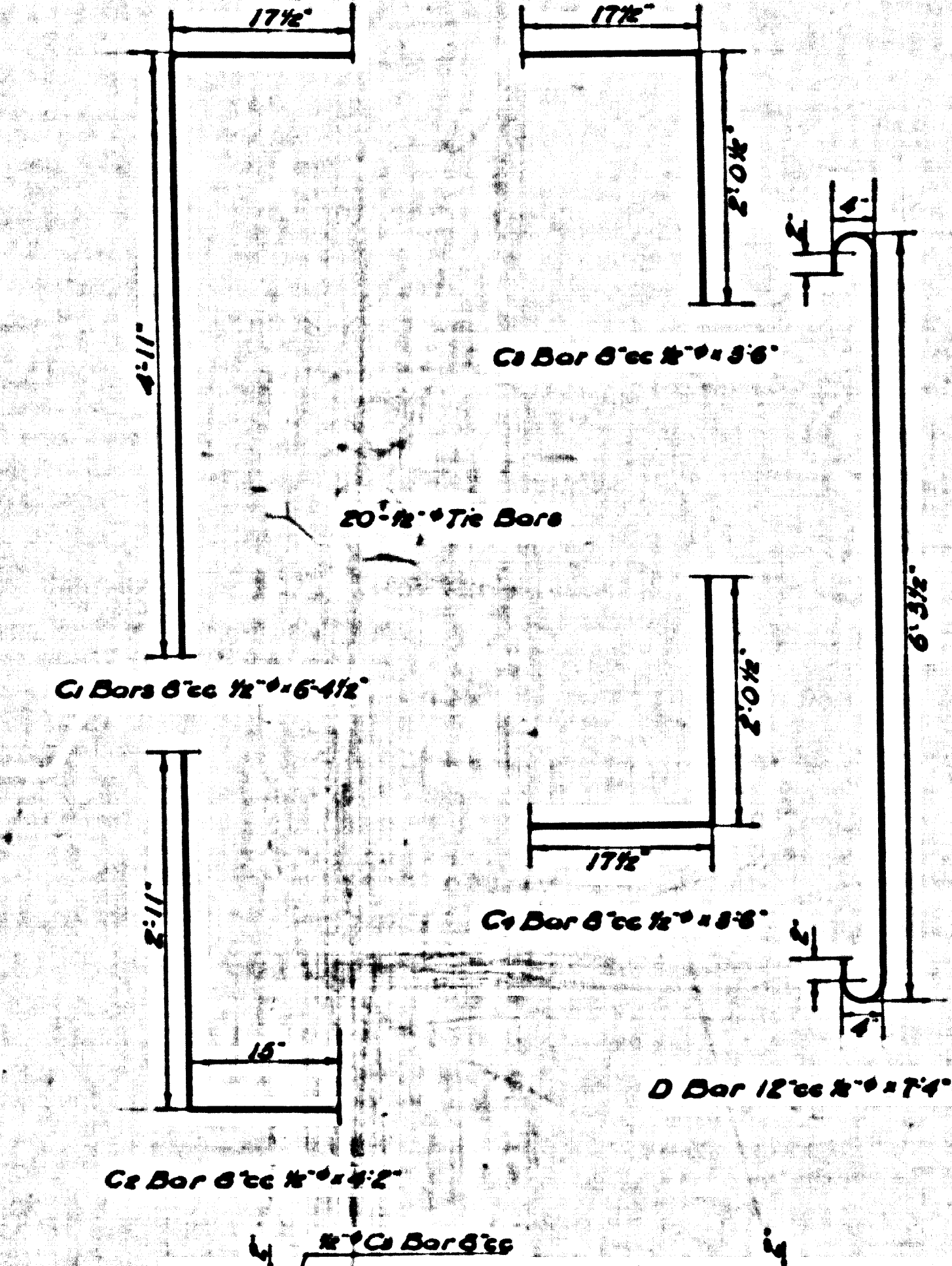
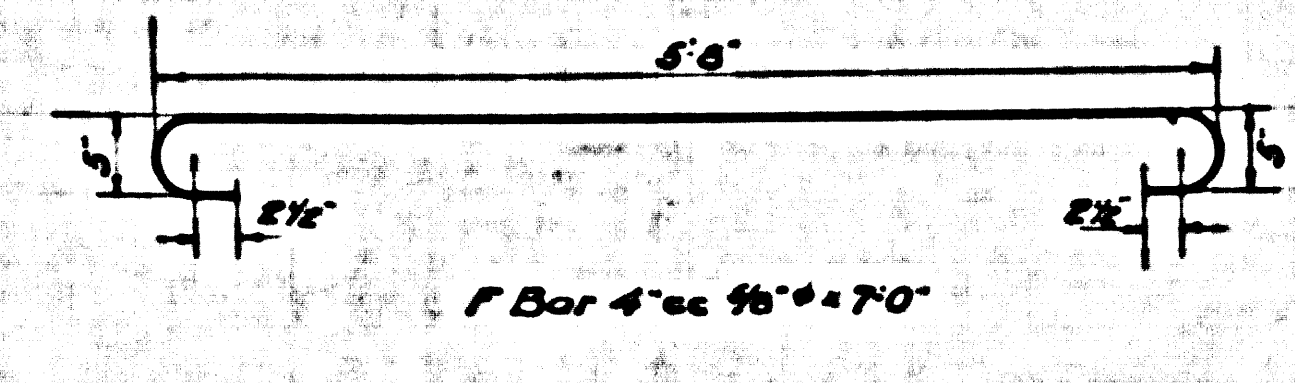
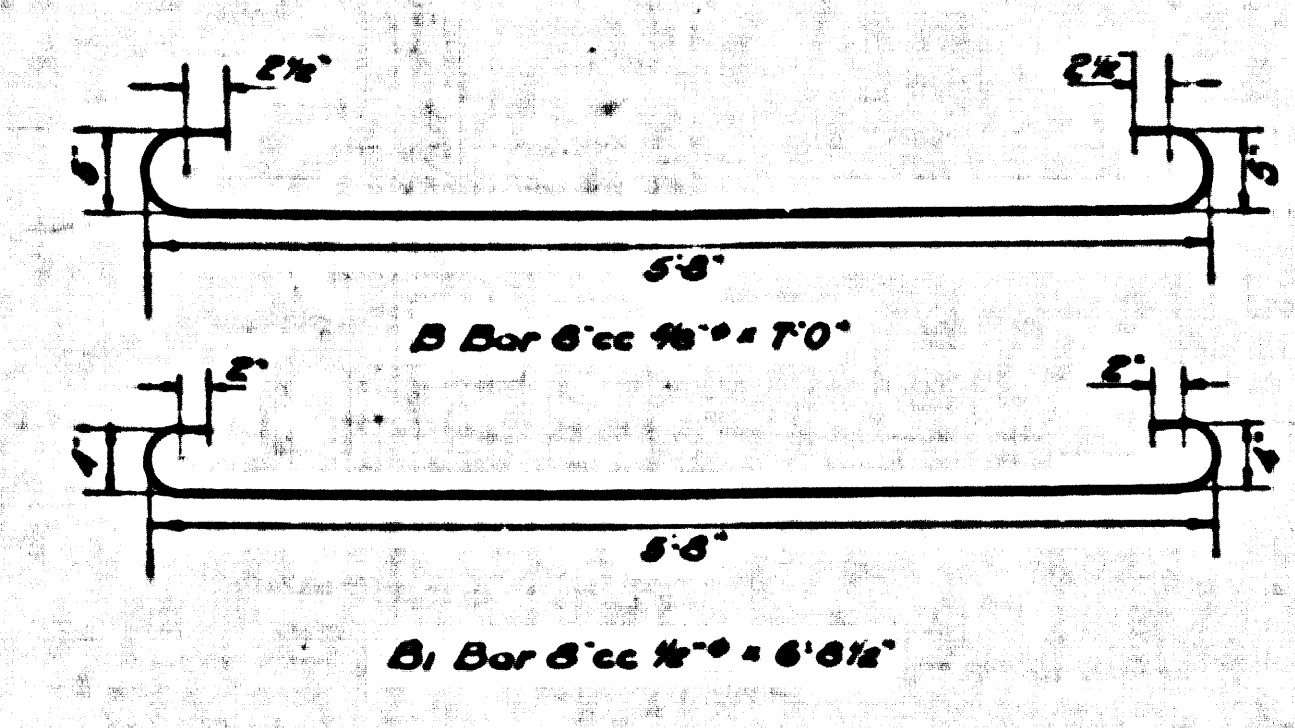
Brick shall conform to Grade S.A. of the American Society for Testing Materials Serial Designation C32-37T. Mortar shall be composed of one part of cement to two parts of sand by volume which may be added lime putty or dry hydrated lime in an amount not to exceed 10% by volume.



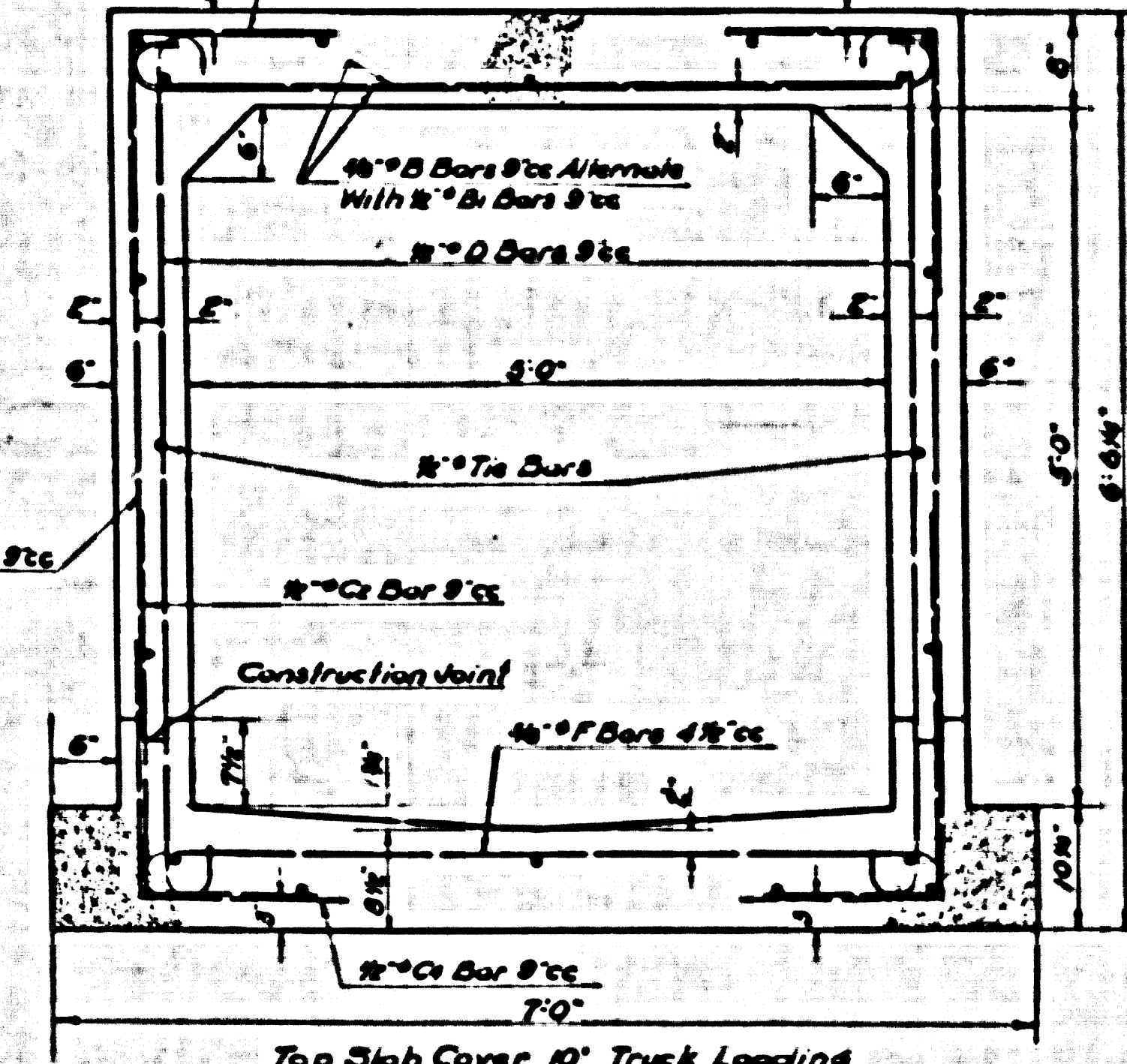
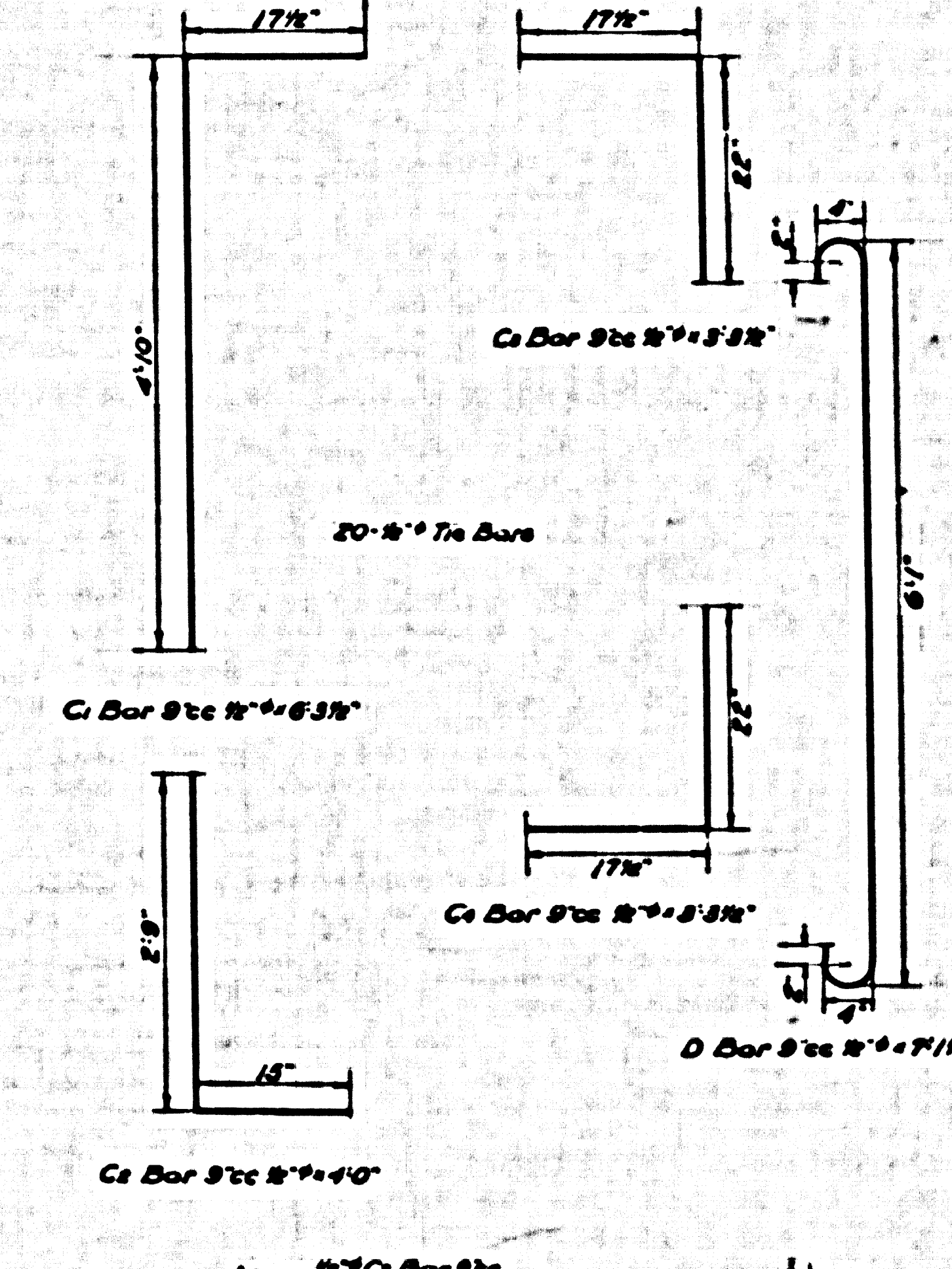
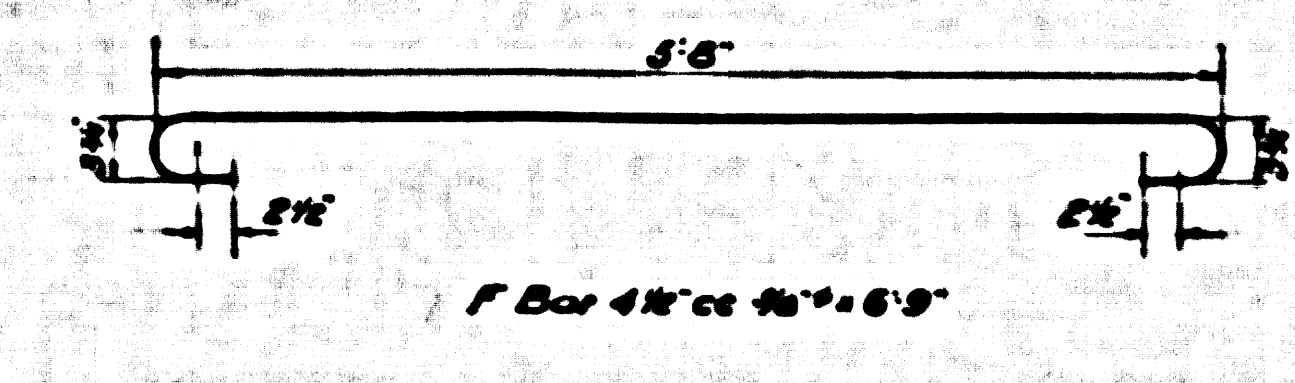
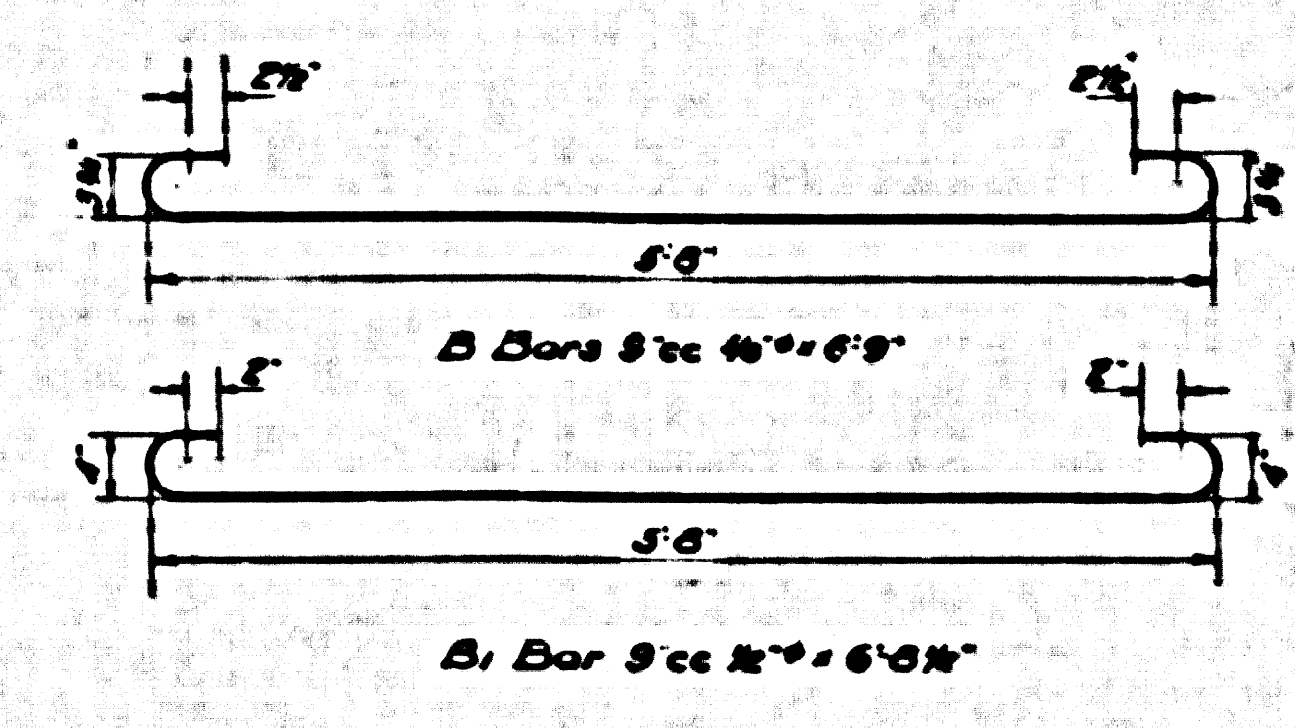
20-gauge Tie Bars
 Mortar shall be composed of one part of cement to two parts of sand by volume, to which may be added lime putty or dry hydrated lime in an amount not to exceed 10% by volume.



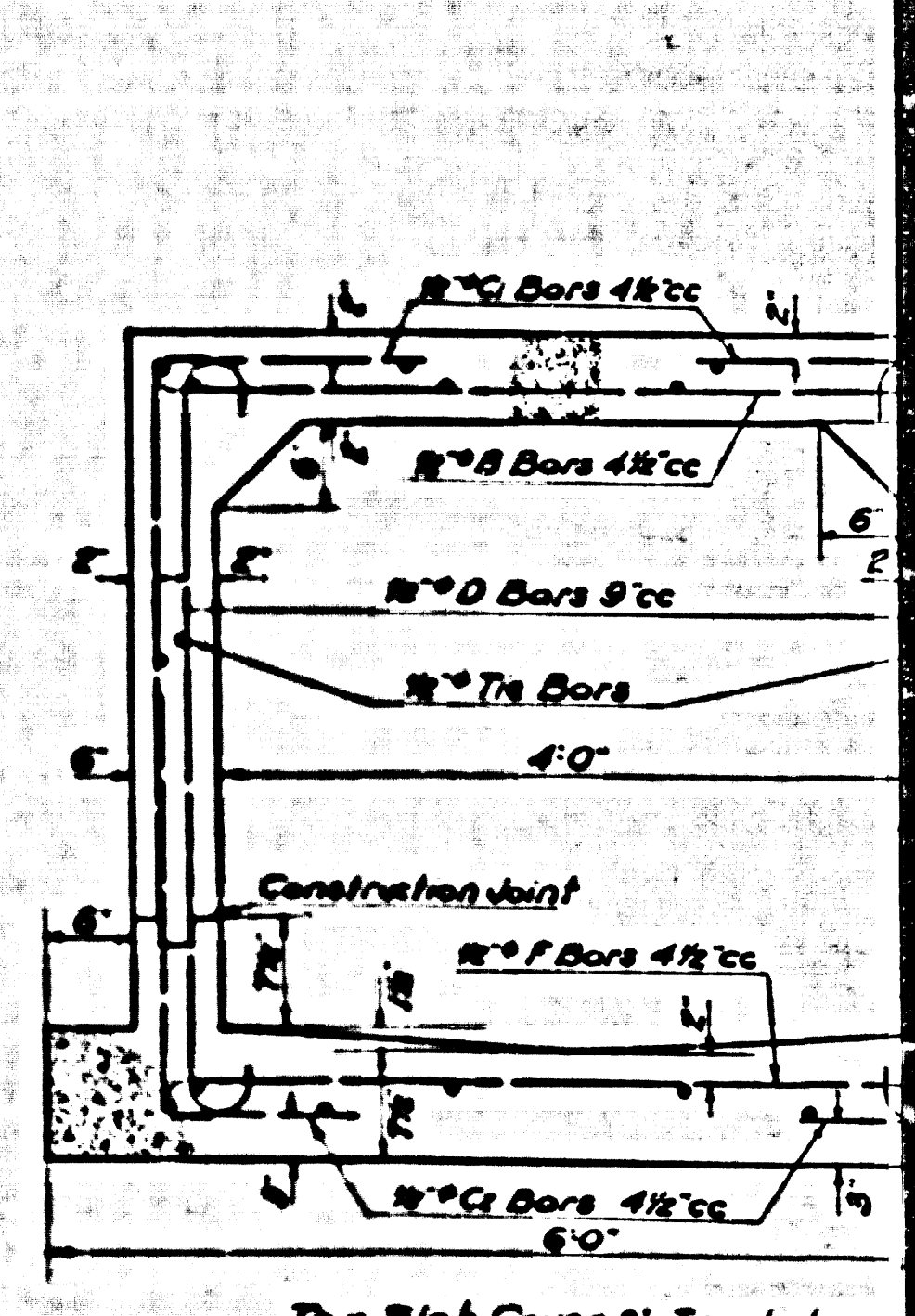
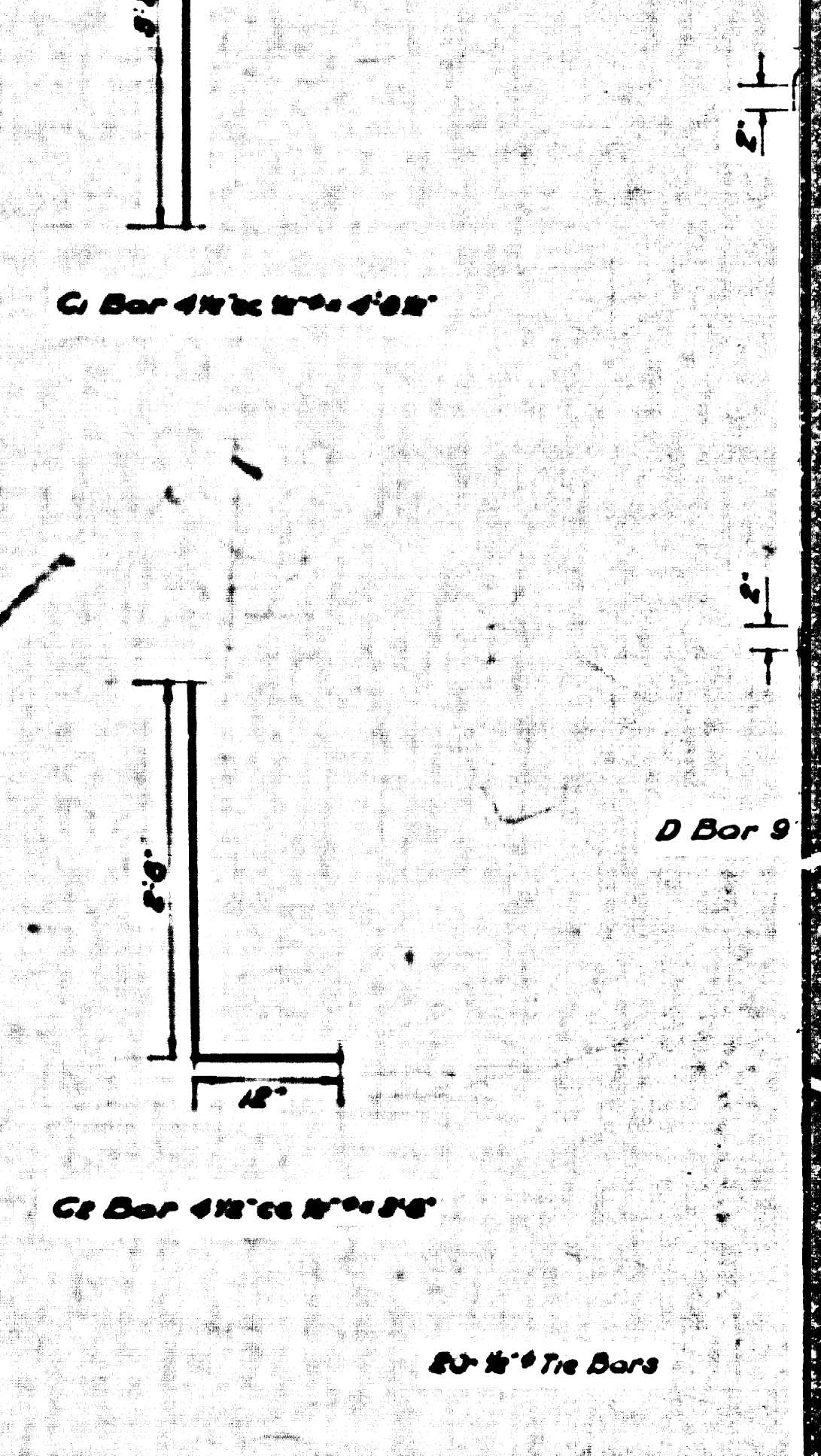
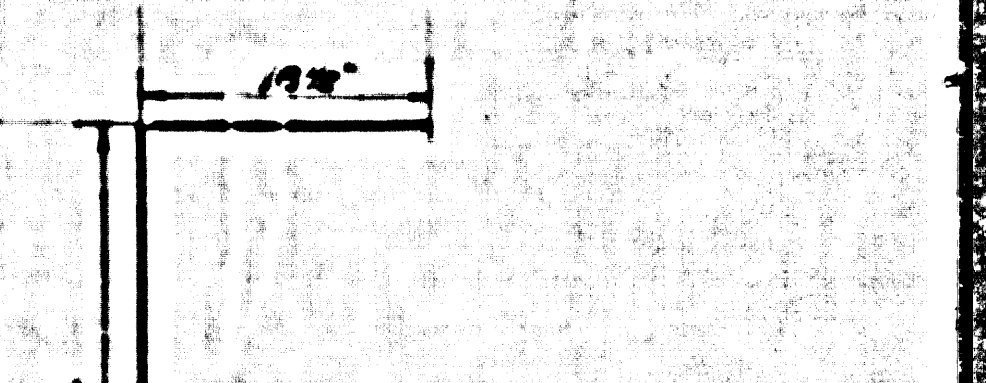
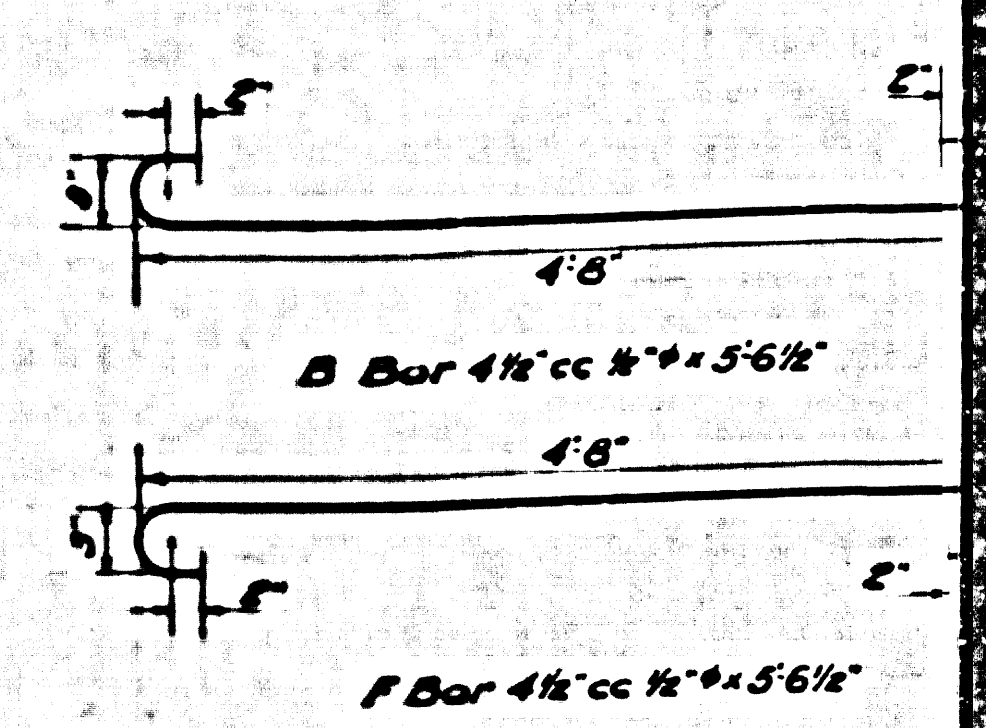
SECTION 9
 REINF. CONC. BOX 5'-0" x 5'-0"
 LORD STREET LATERAL
 Scale: 1/4" = 1'-0"



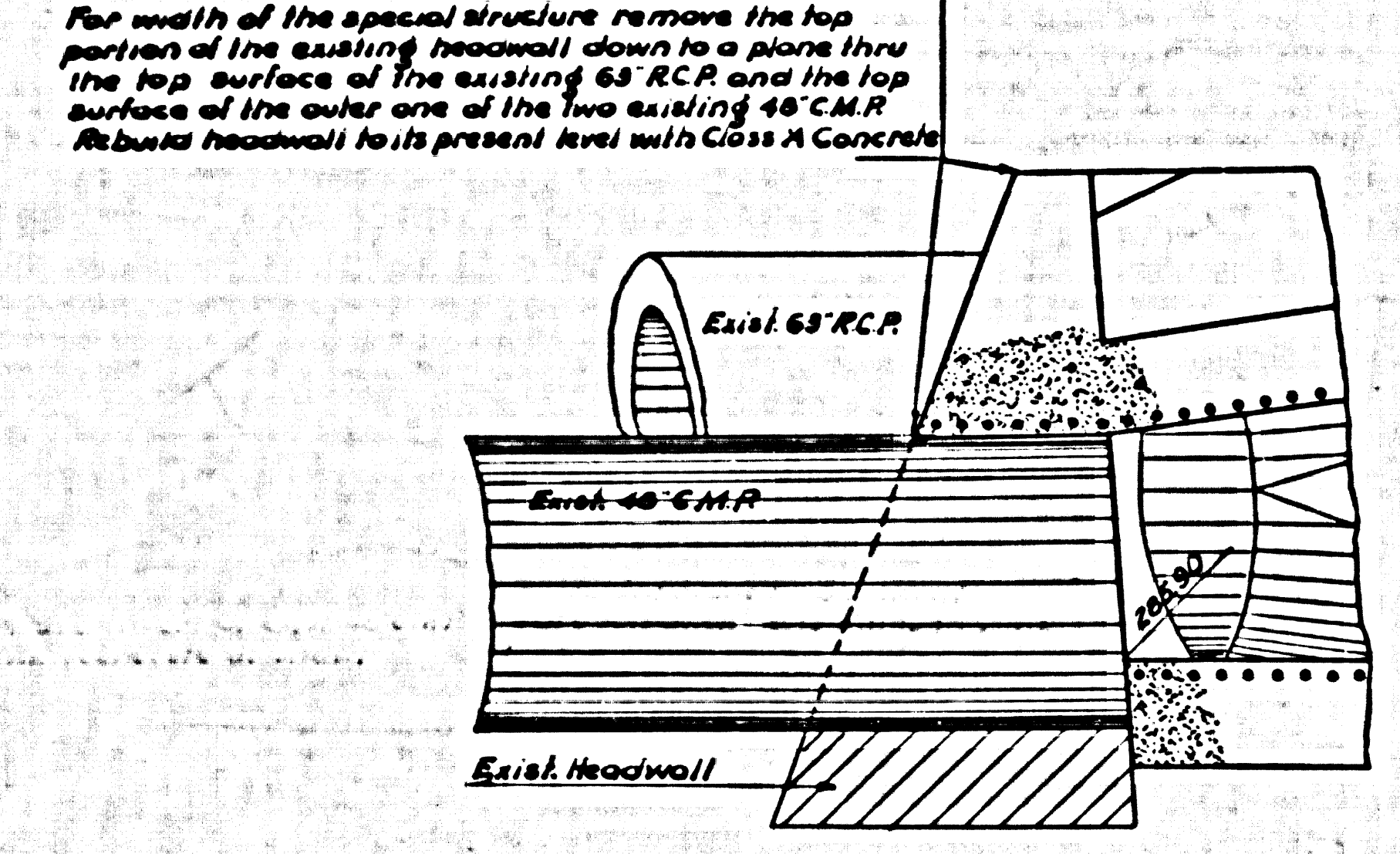
SECTION 8
 REINF. CONC. BOX 5'-0" x 5'-0"
 COUNTY HOSPITAL TRUNK
 Scale: 1/4" = 1'-0"



SECTION 7
 REINF. CONC. BOX 5'-0" x 5'-0"
 COUNTY HOSPITAL TRUNK
 Scale: 1/4" = 1'-0"

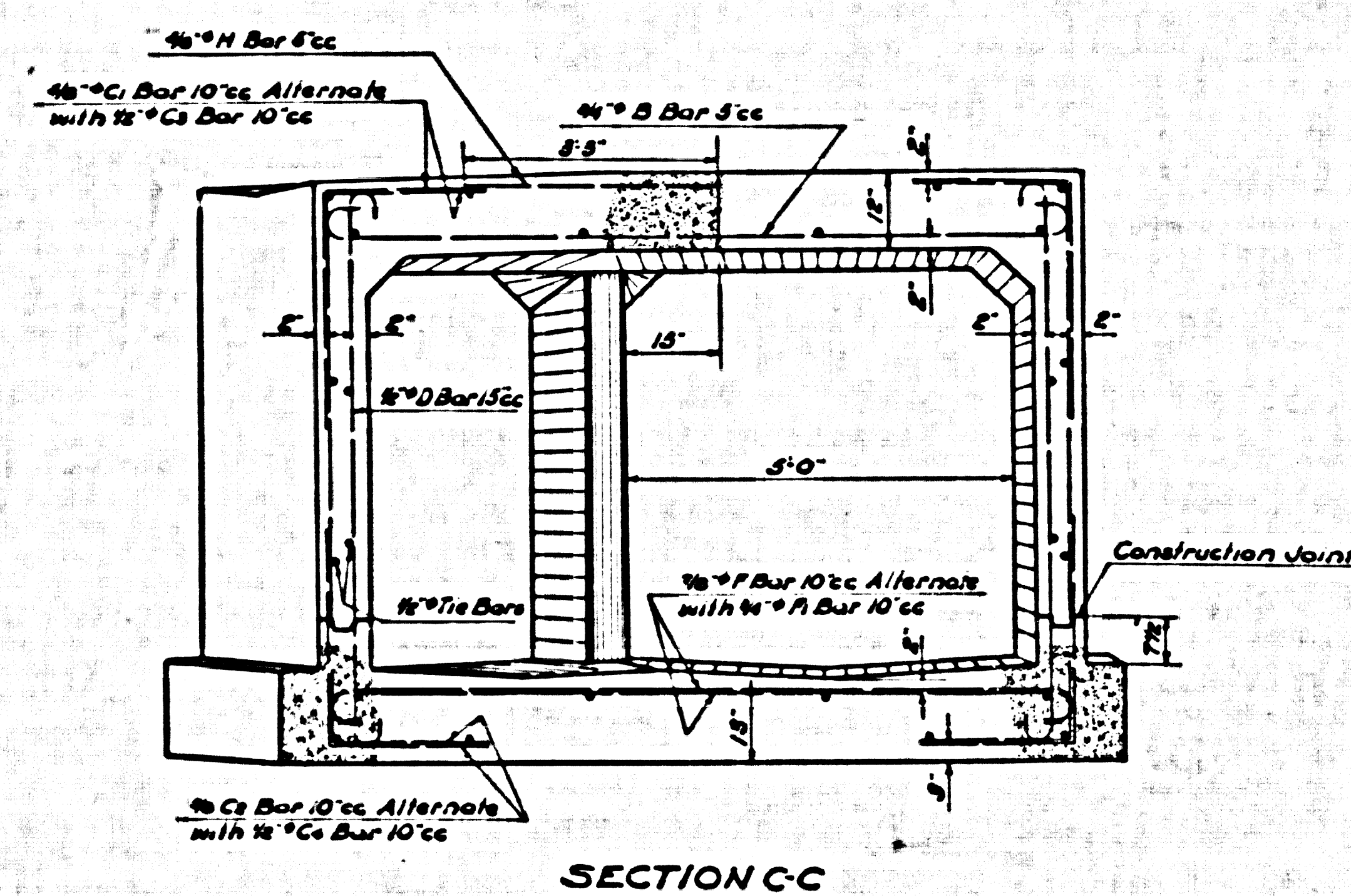


SECTION 6
 REINF. CONC. BOX 4'-0" x 4'-0"
 COUNTY HOSPITAL TRUNK
 Scale: 1/4" = 1'-0"

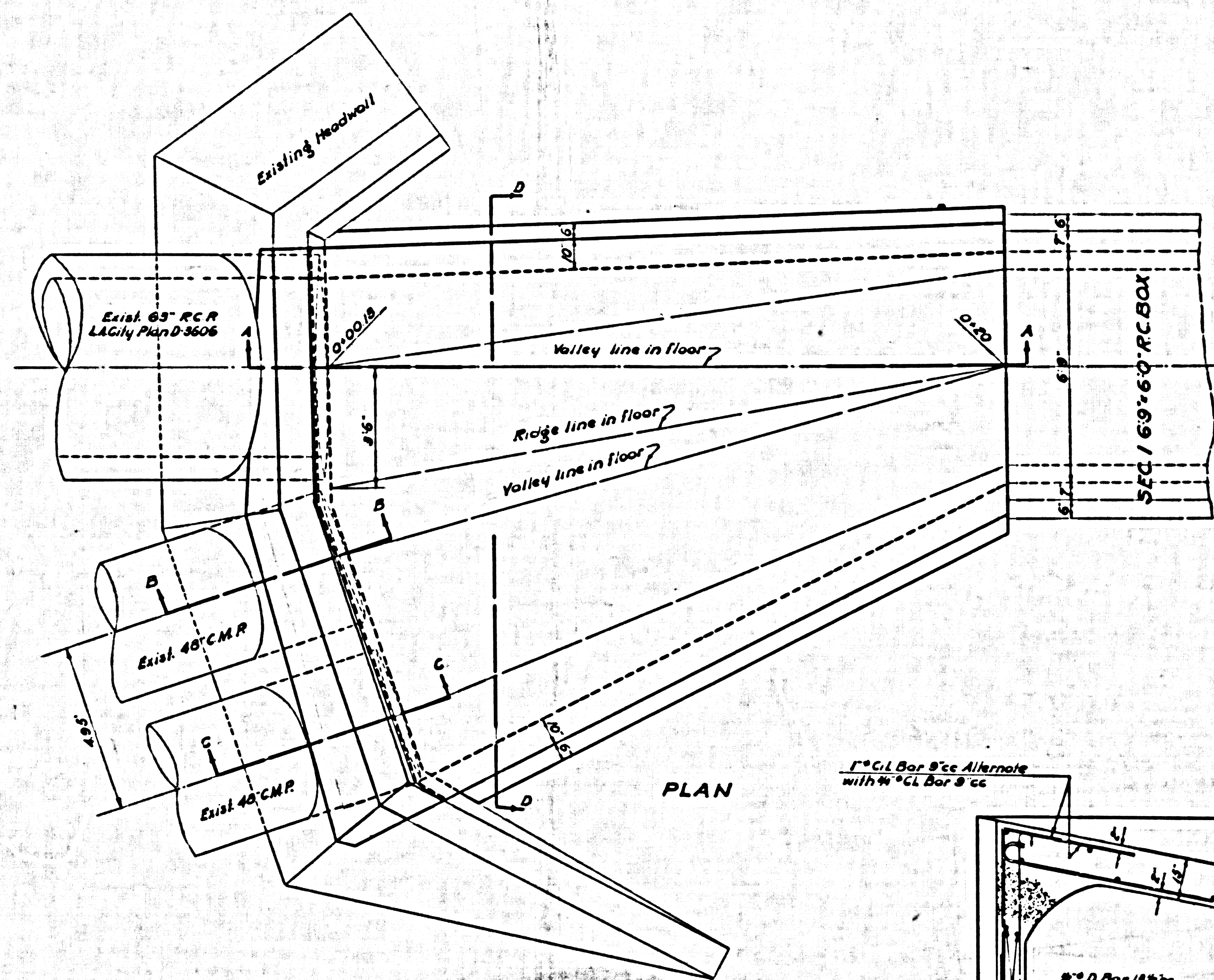


SECTION C-C
 N91

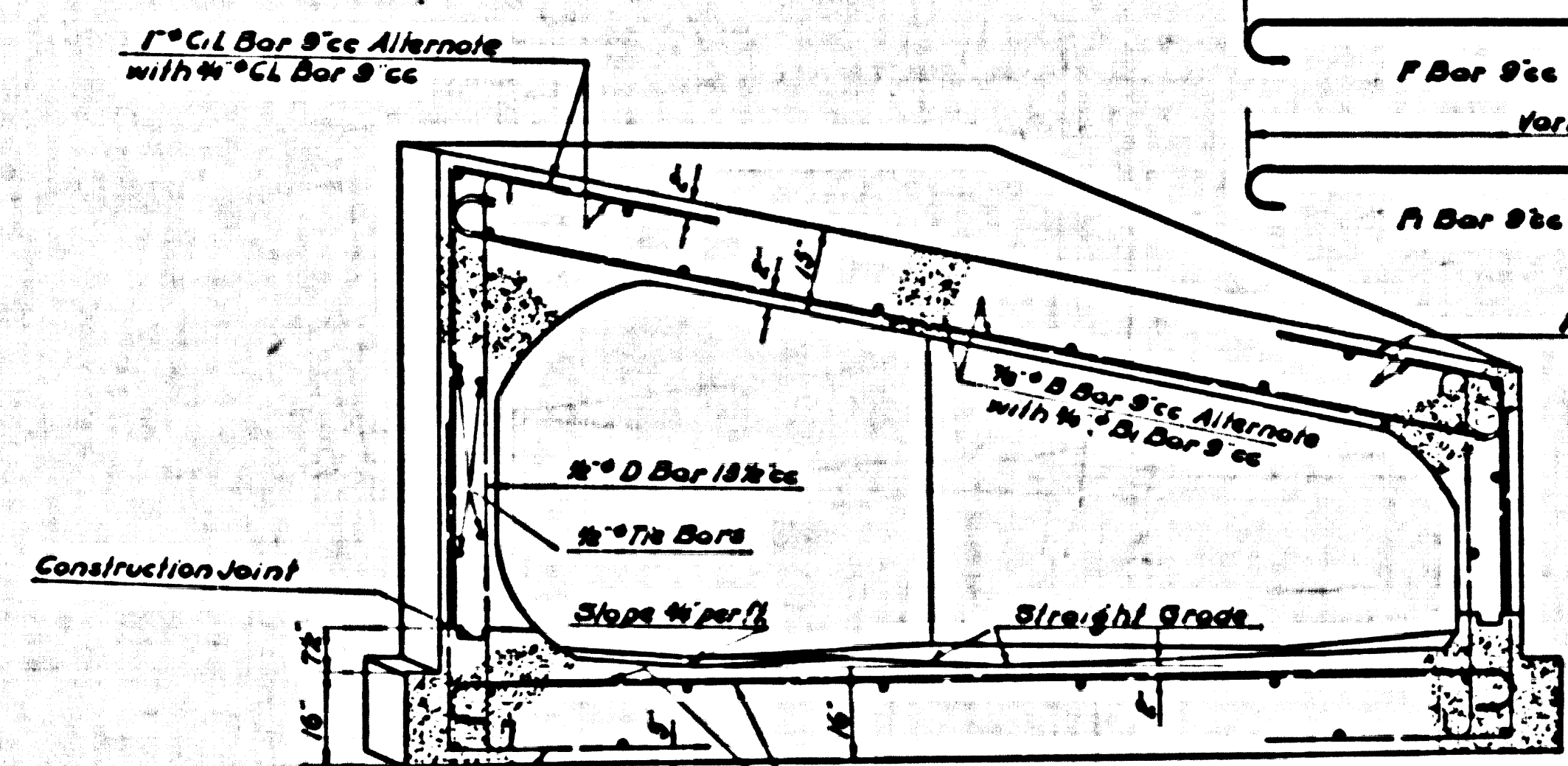
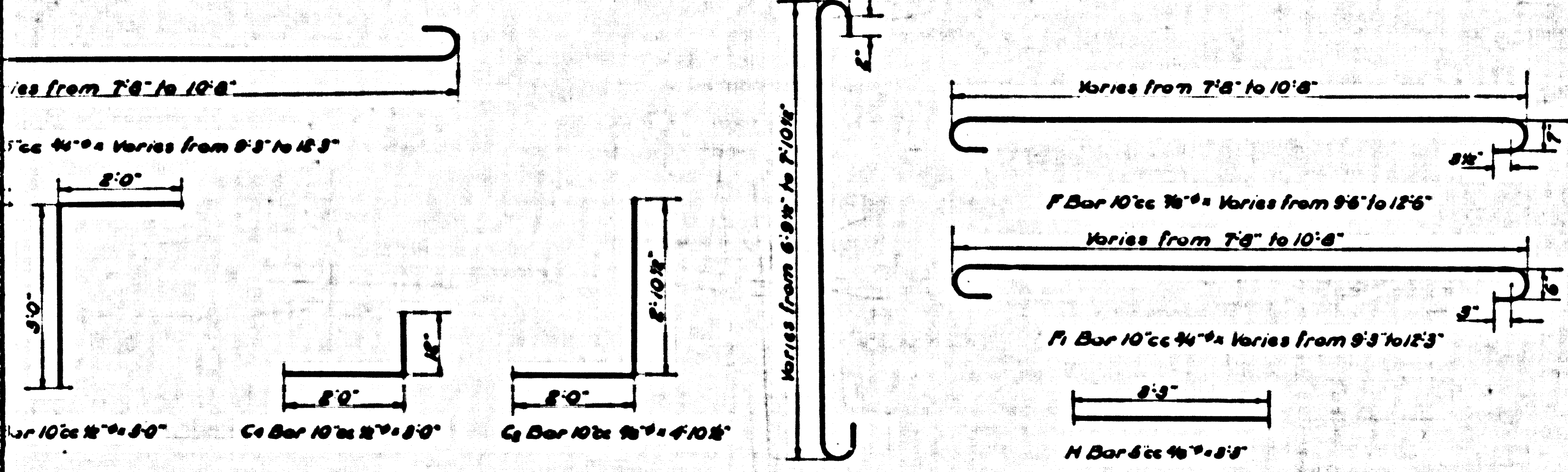
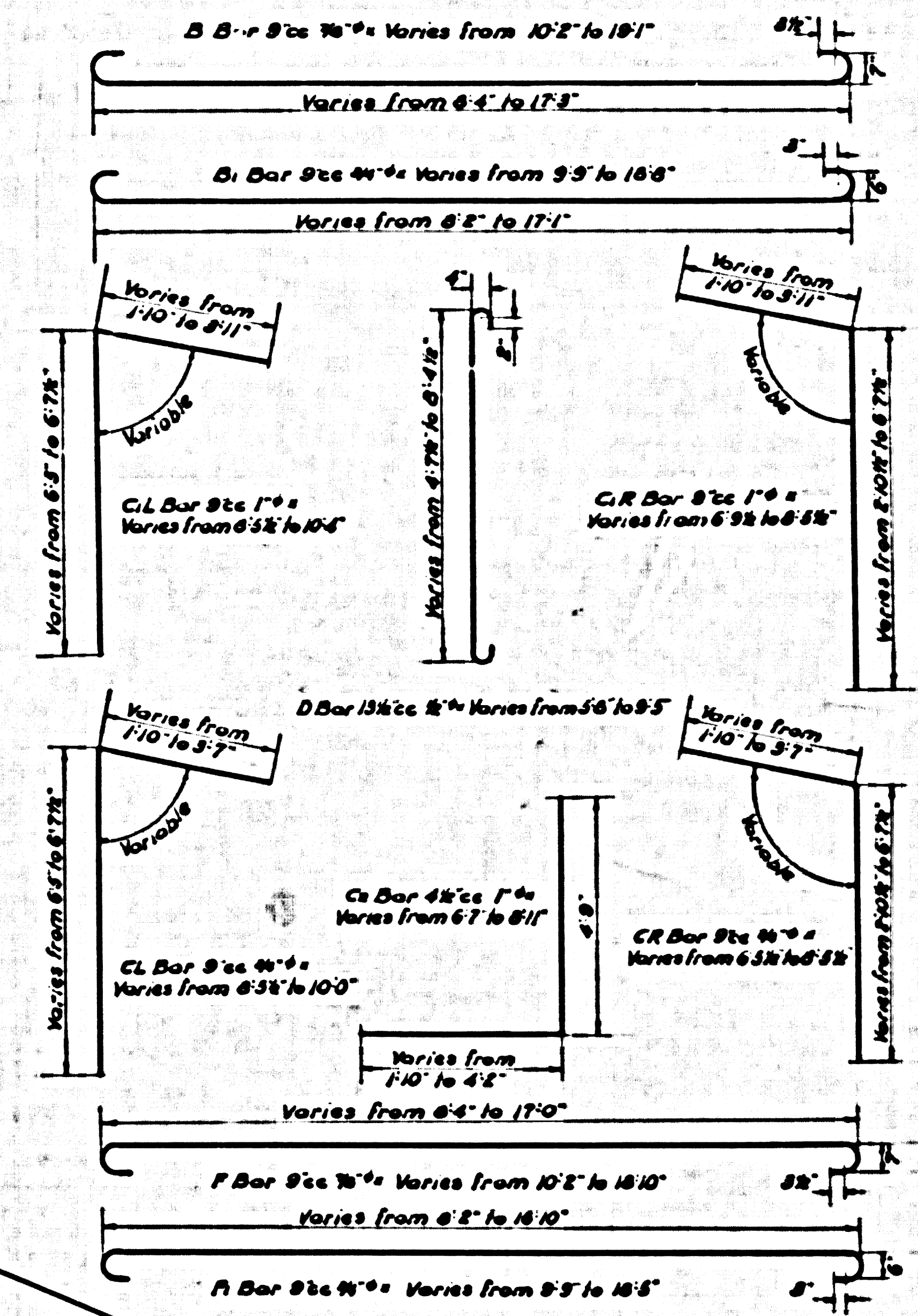
CSB-1198-2
 A3 OF A10



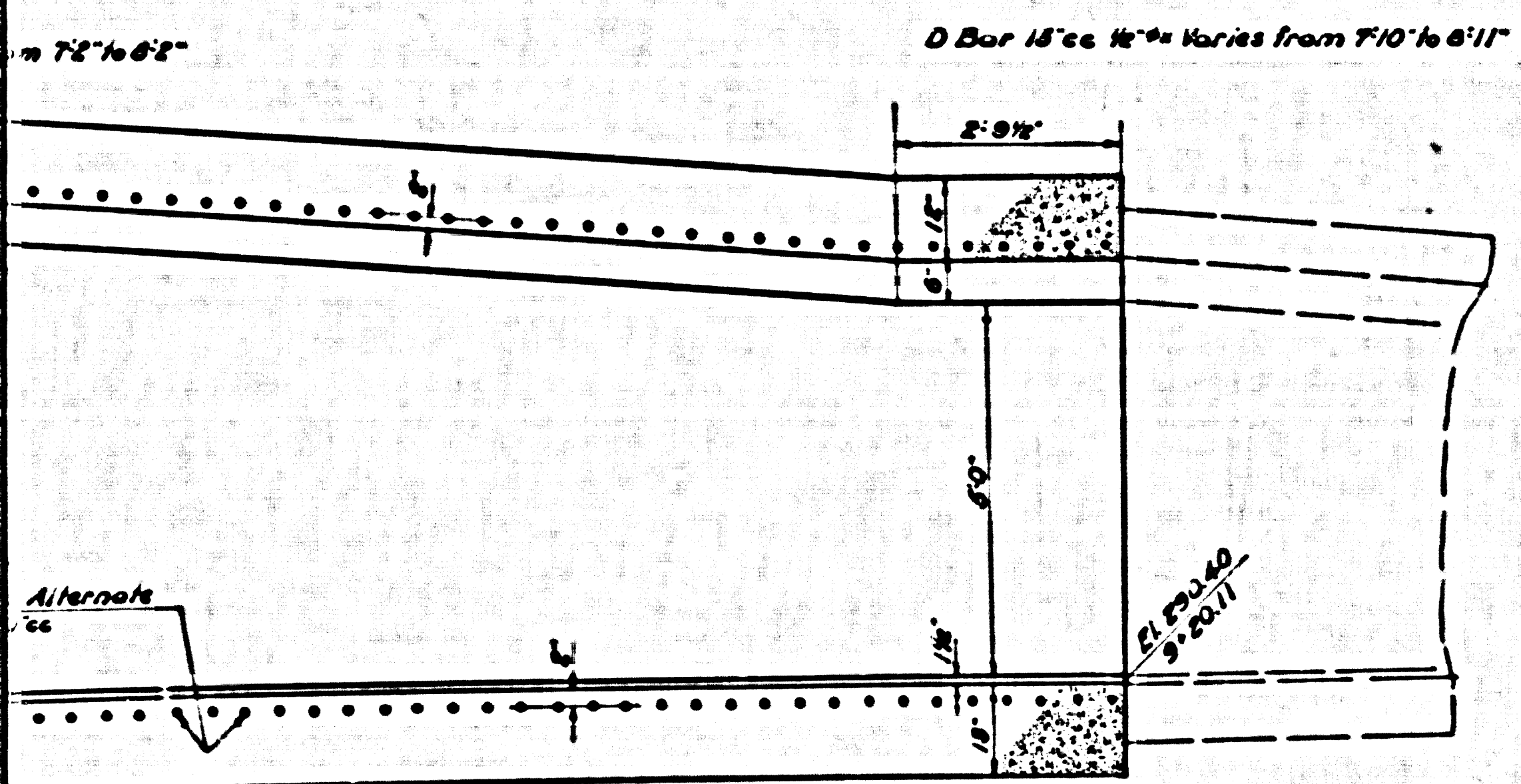
SECTION C-C



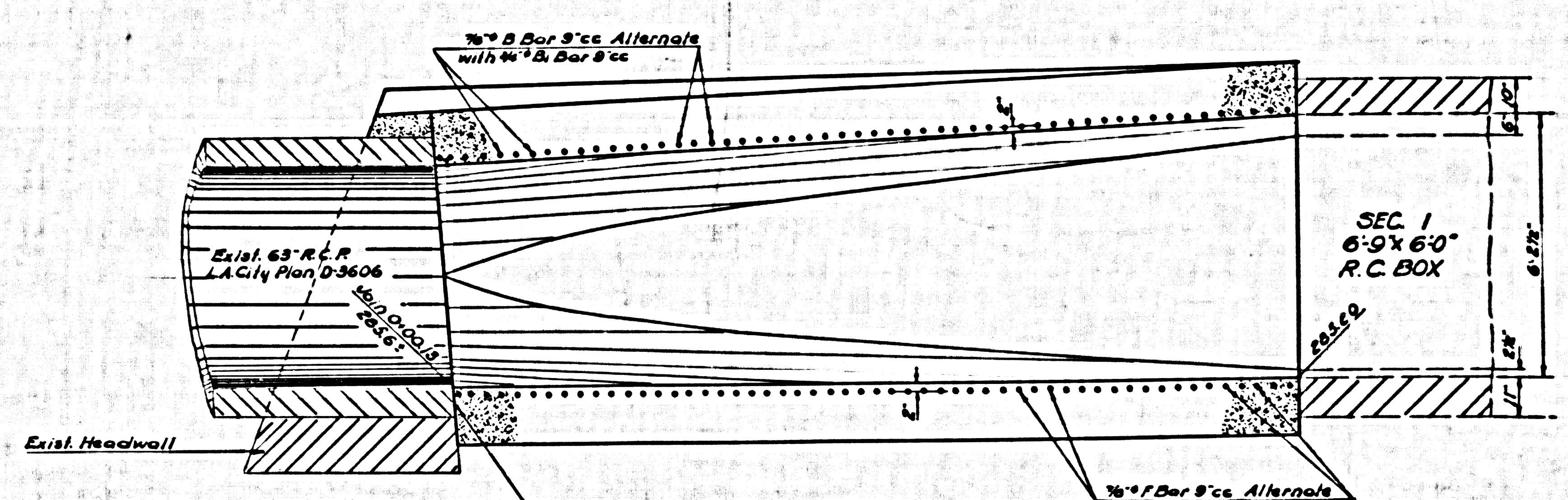
PLAN



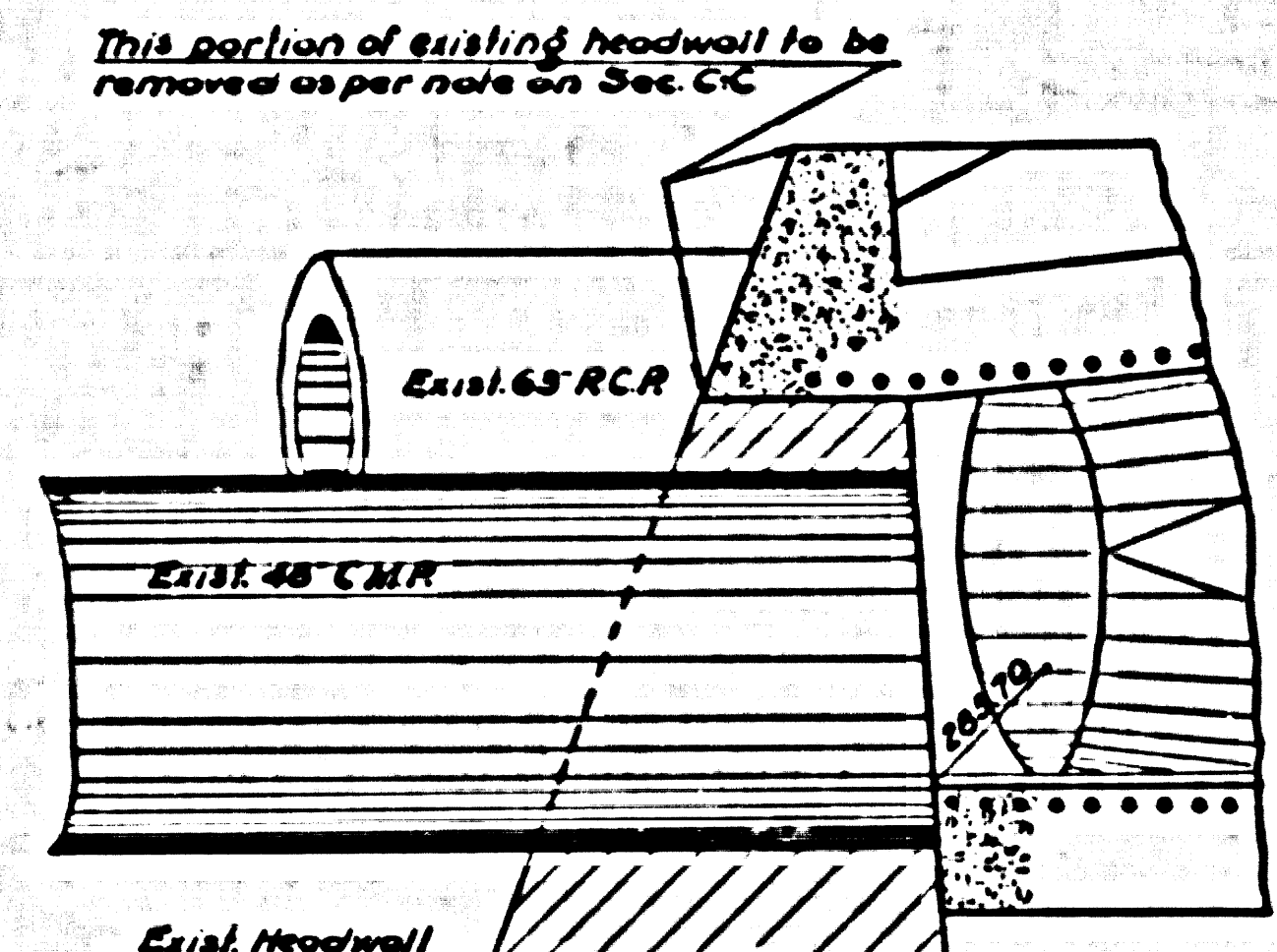
SECTION D-D



SECTION B-B



SECTION A-A



SECTION B-B

For width of the special structure remove the top portion of the existing headwall down to a plane thru the top surface of the existing 65 R.C.P. and the top surface of the outer side of the two existing 46 C.M.P. Retain headwall to its present level with Class A Conc.

Scarify those areas on the face of the exist. headwall against which the side walls and bottom slab of the new structure are to be placed.

This portion of existing headwall to be removed as per note on Sec. C-C.

Nº 2

SPECIAL CSB-1198-2
A40FA10

STRUCTURE
COUNTY HOSPITAL TRUNK
STA. 0+00.13
Scale: 1/4" = 1'-0"