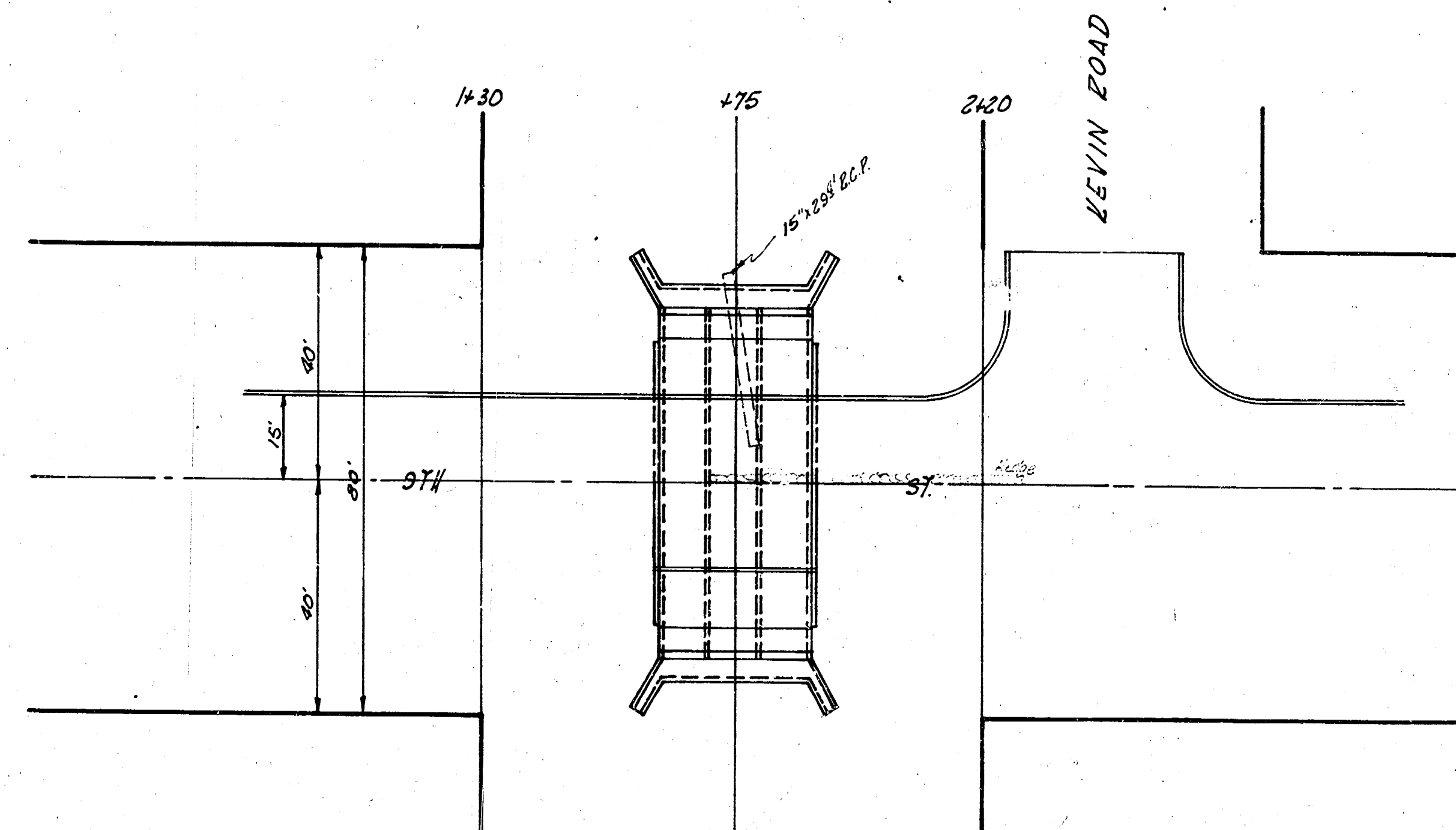


B.M. 190.85 South "G" in Globe W. ab. Lightner N.L. 9th
B.M. 199.19 Spike E.S. P. Pole N.S. 9th W.S. Wordlaw
B.M. 199.90 "G" in Globe E. ab. Grace Lane S.L. 9th

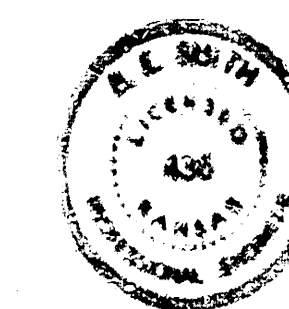
NOTE: USE THESE B.M. ELEVATIONS ONLY

3-8' X 4' R.C.B. 9TH ST. & DRYCREEK

PROJ. NO. C14-324



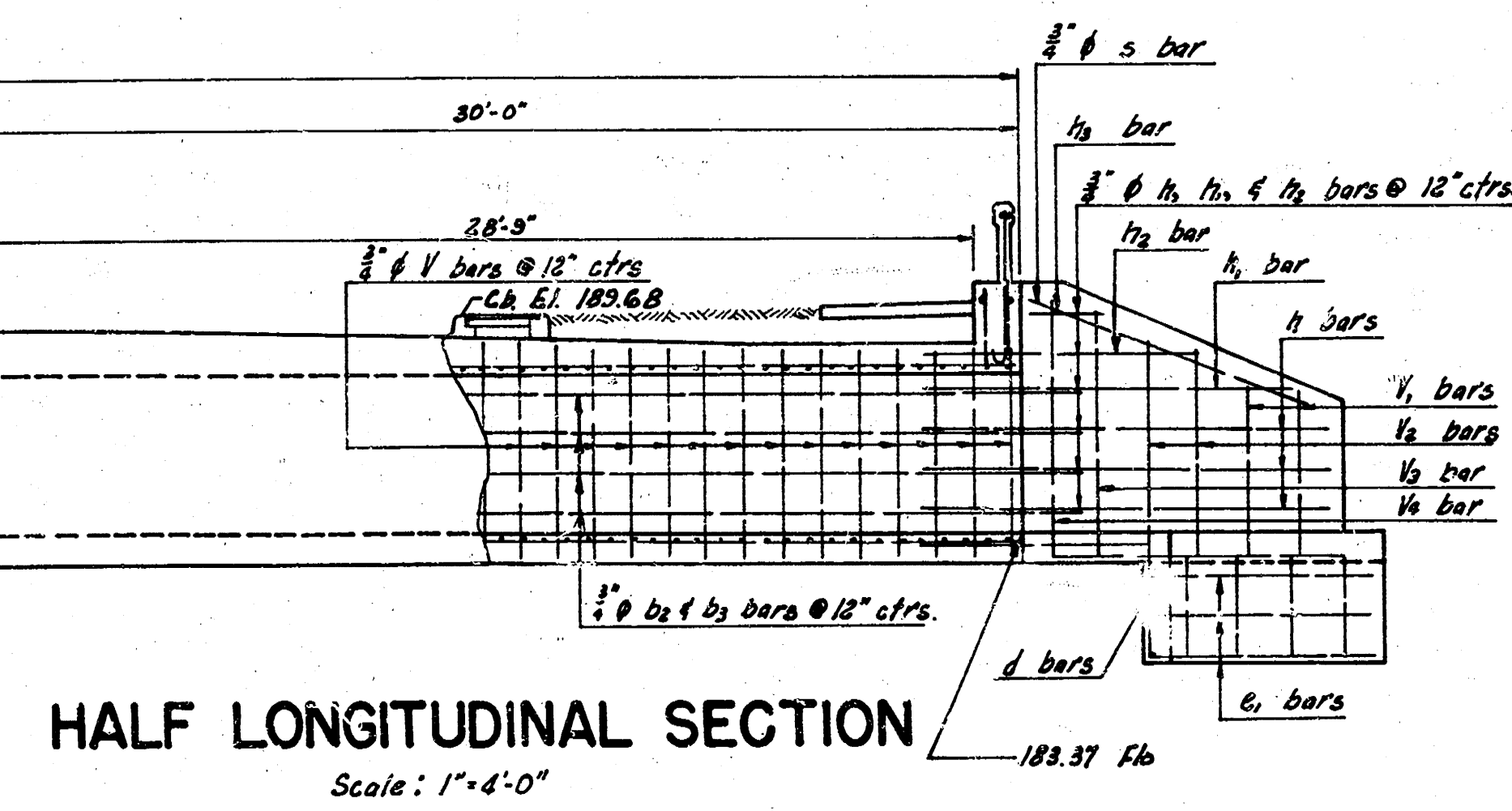
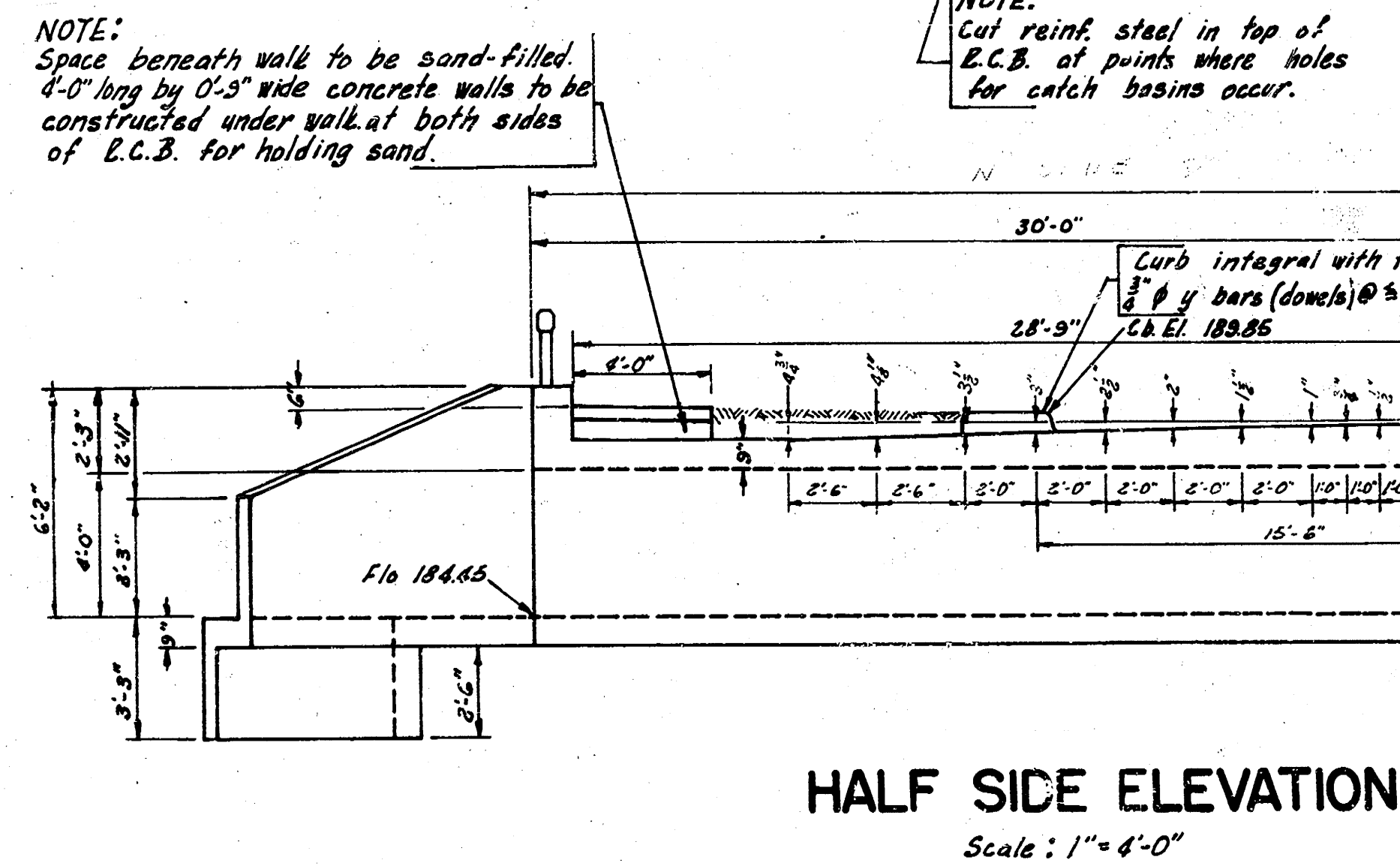
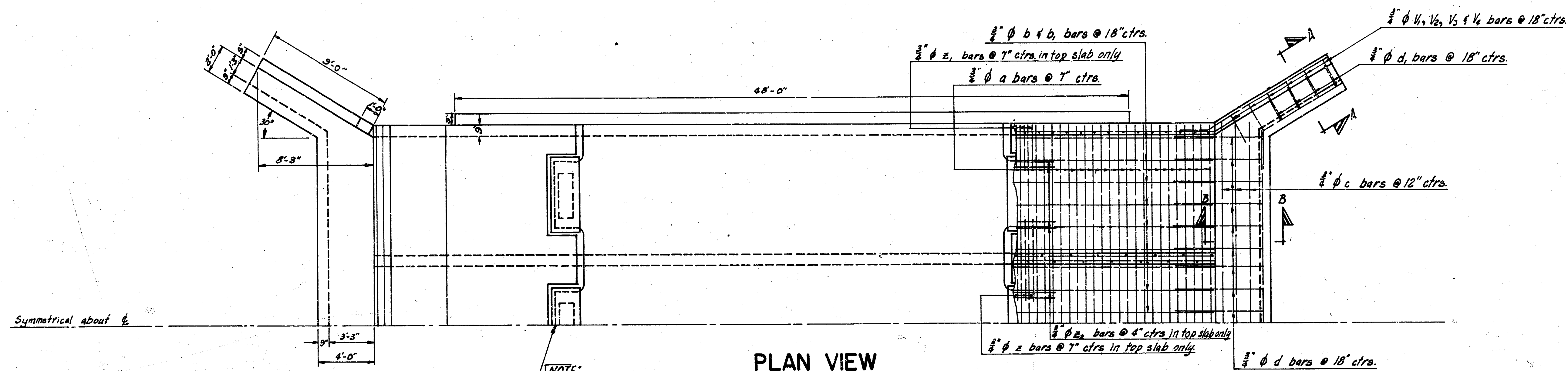
PLAN LAYOUT
Scale: 1"=20'

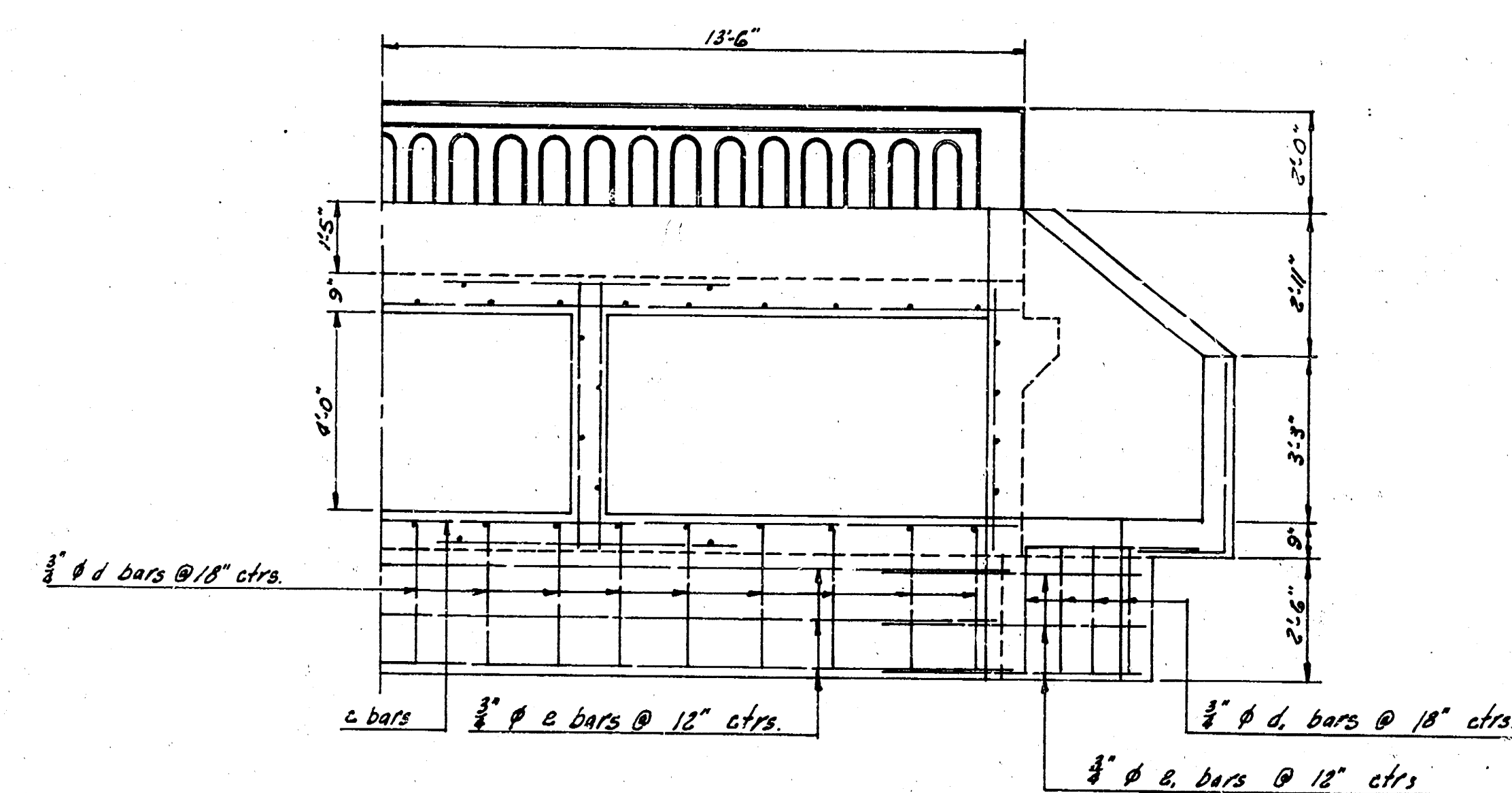


REIN. CONC. BOX CULVERT
@ BOX STA 1475
9TH ST & DRYCREEK
CITY OF WICHITA, KANS.
D.E. SMITH CITY ENGINEER
MAY, 1955 PROJ. NO. C14-324

1/6

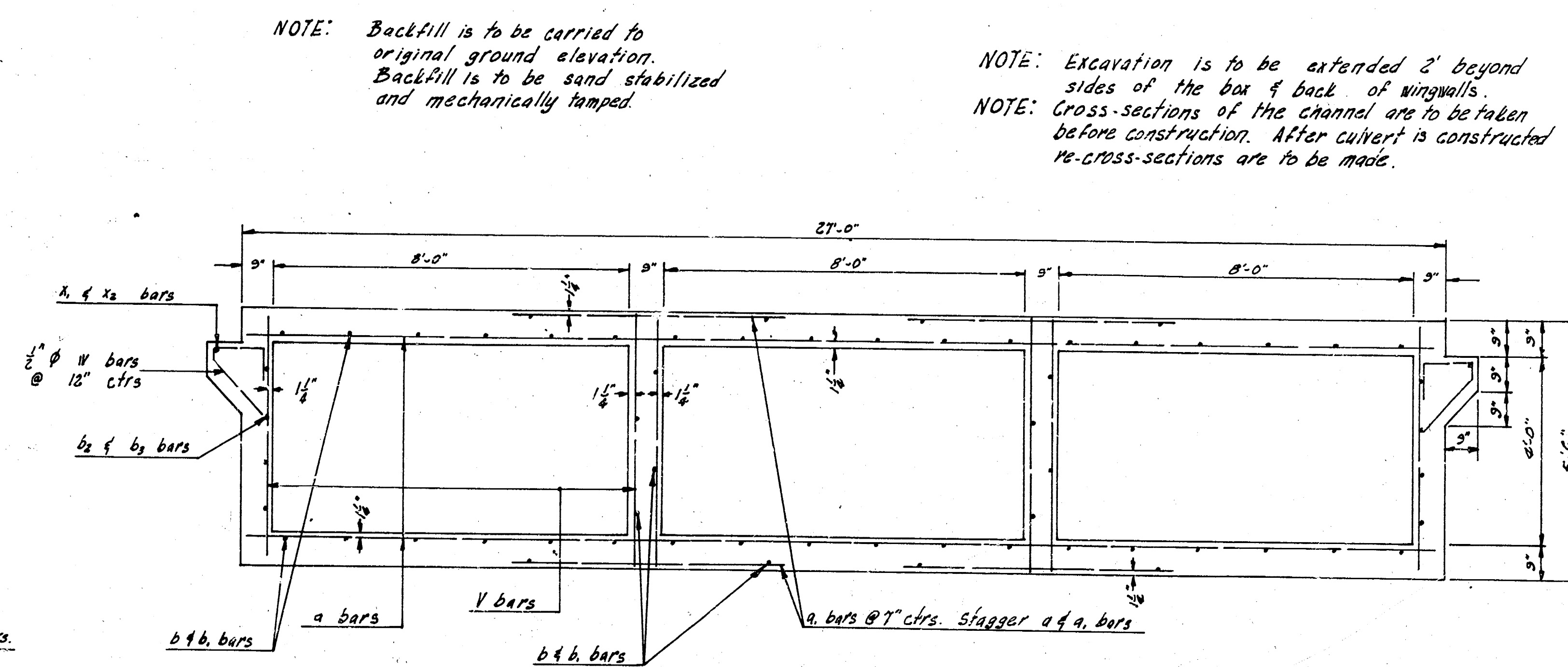
REINFORCED CONCRETE BOX CULVERT NINTH ST. & DRYCREEK





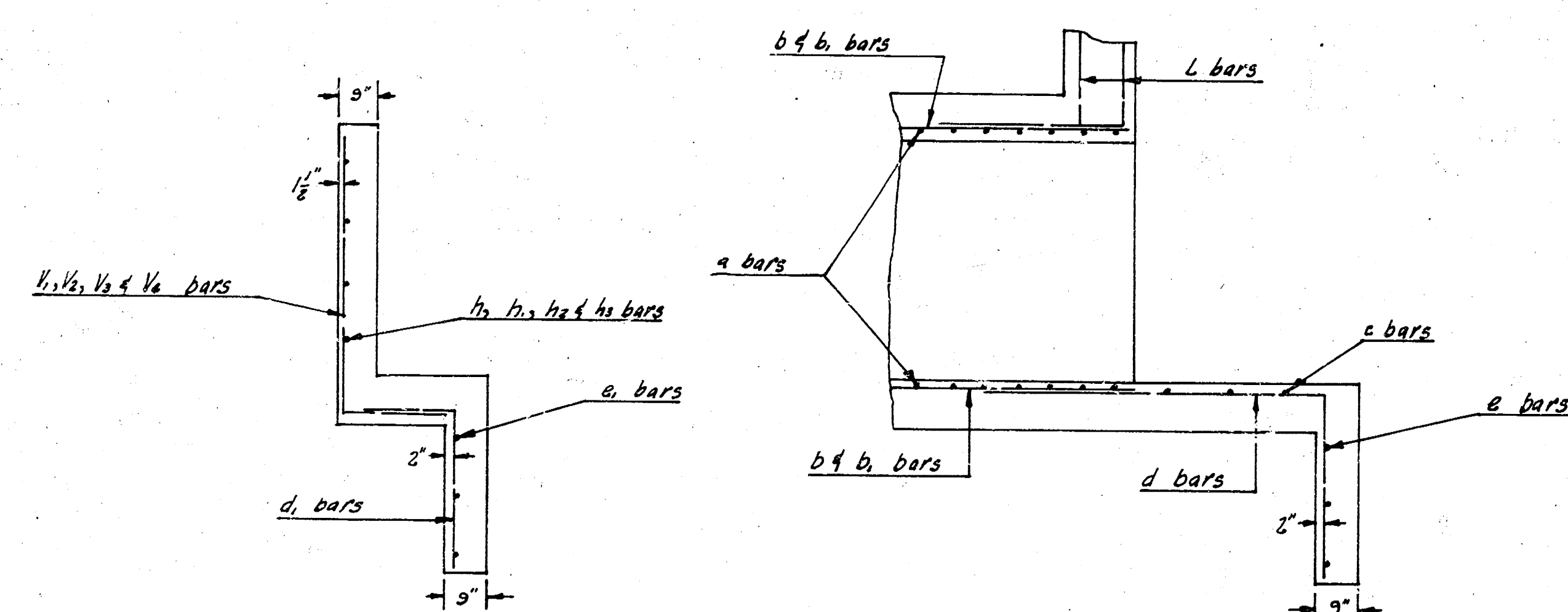
HALF END ELEVATION
Scale: 1" = 2'-8"

Scale: 1" = 2'-8"



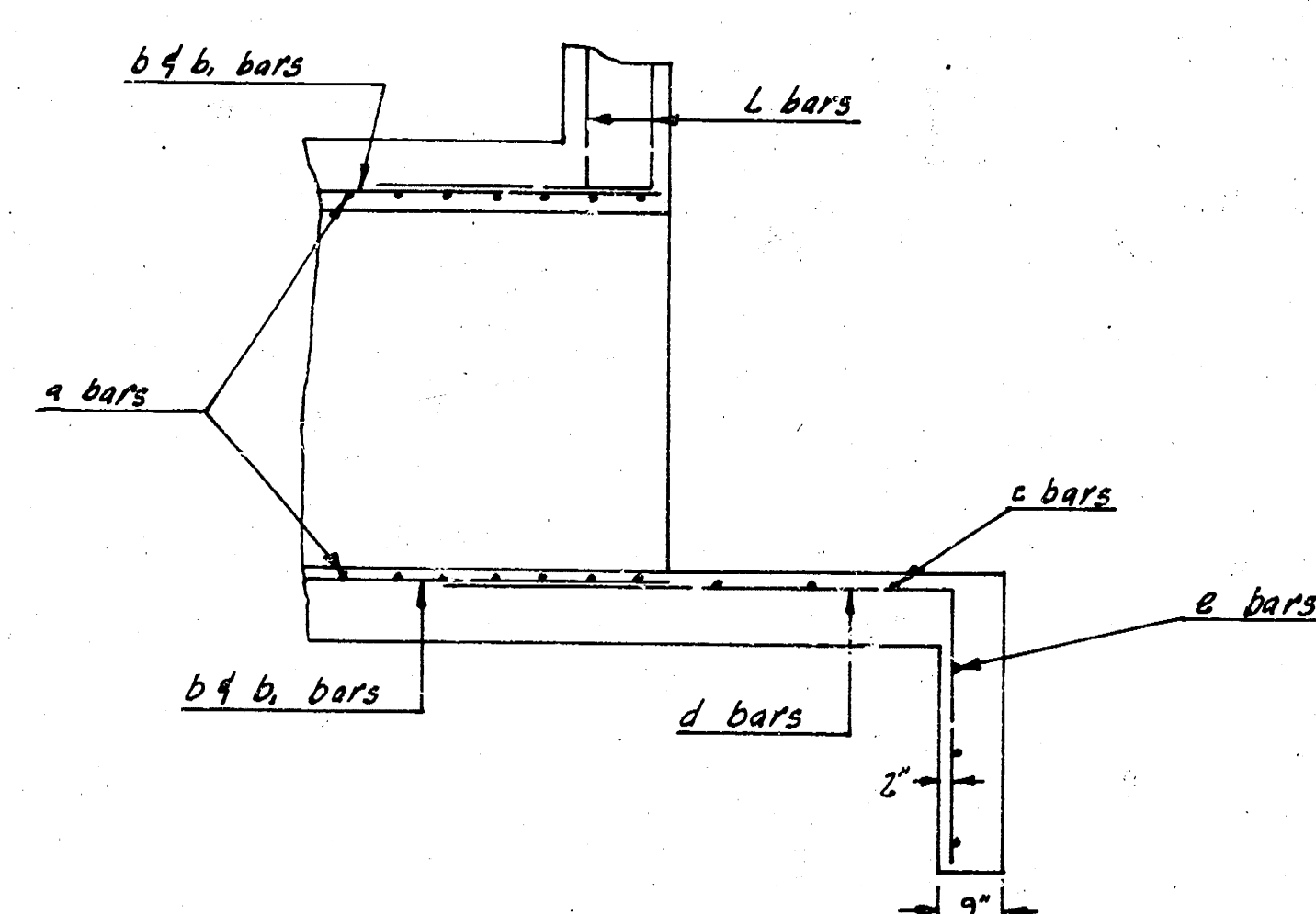
CROSS SECTION OF BOX
Scale : 1" = 2'-0"

Scale : 1" = 2'-0"



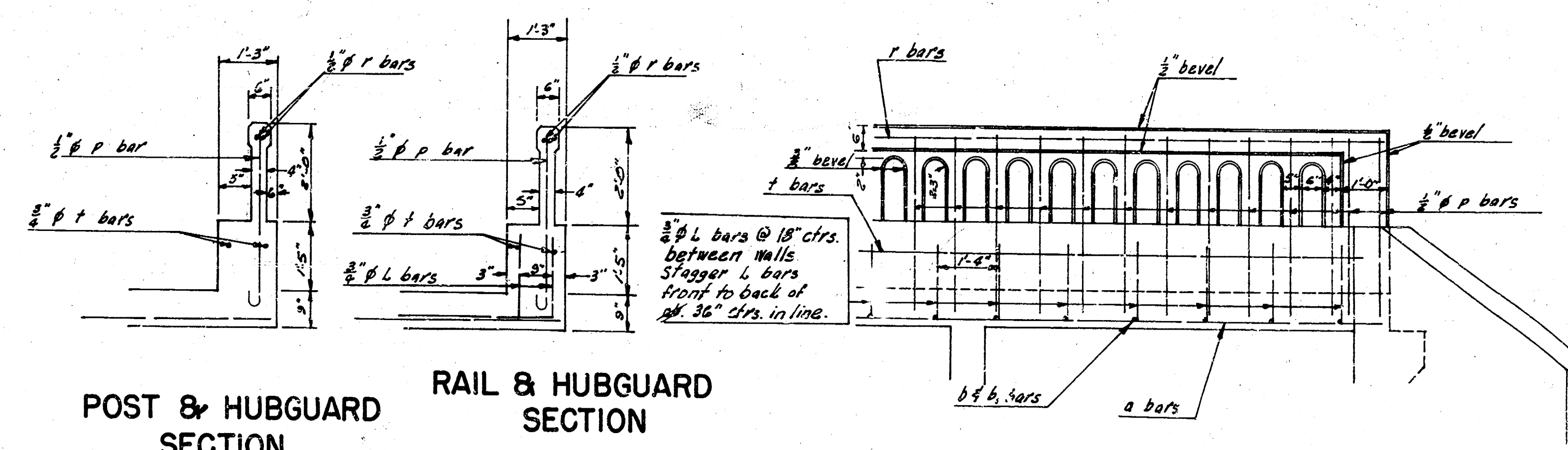
SECTION A-A
Scale: 1" = 2'-0"

Scale: 1" = 2'-0"



SECTION B-B
Scale: 1" = 3'-0"

Scale: 1"=2'-0"



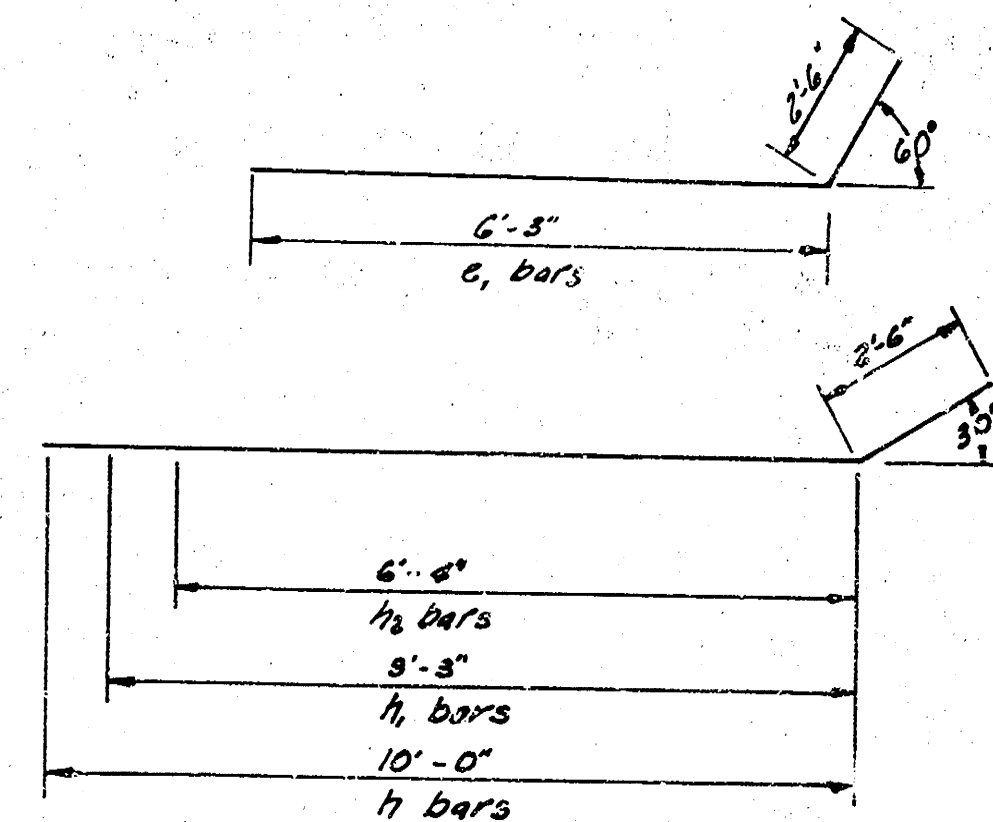
POST & HUBGUARD
SECTION

Scale: 1" = 2'-0"



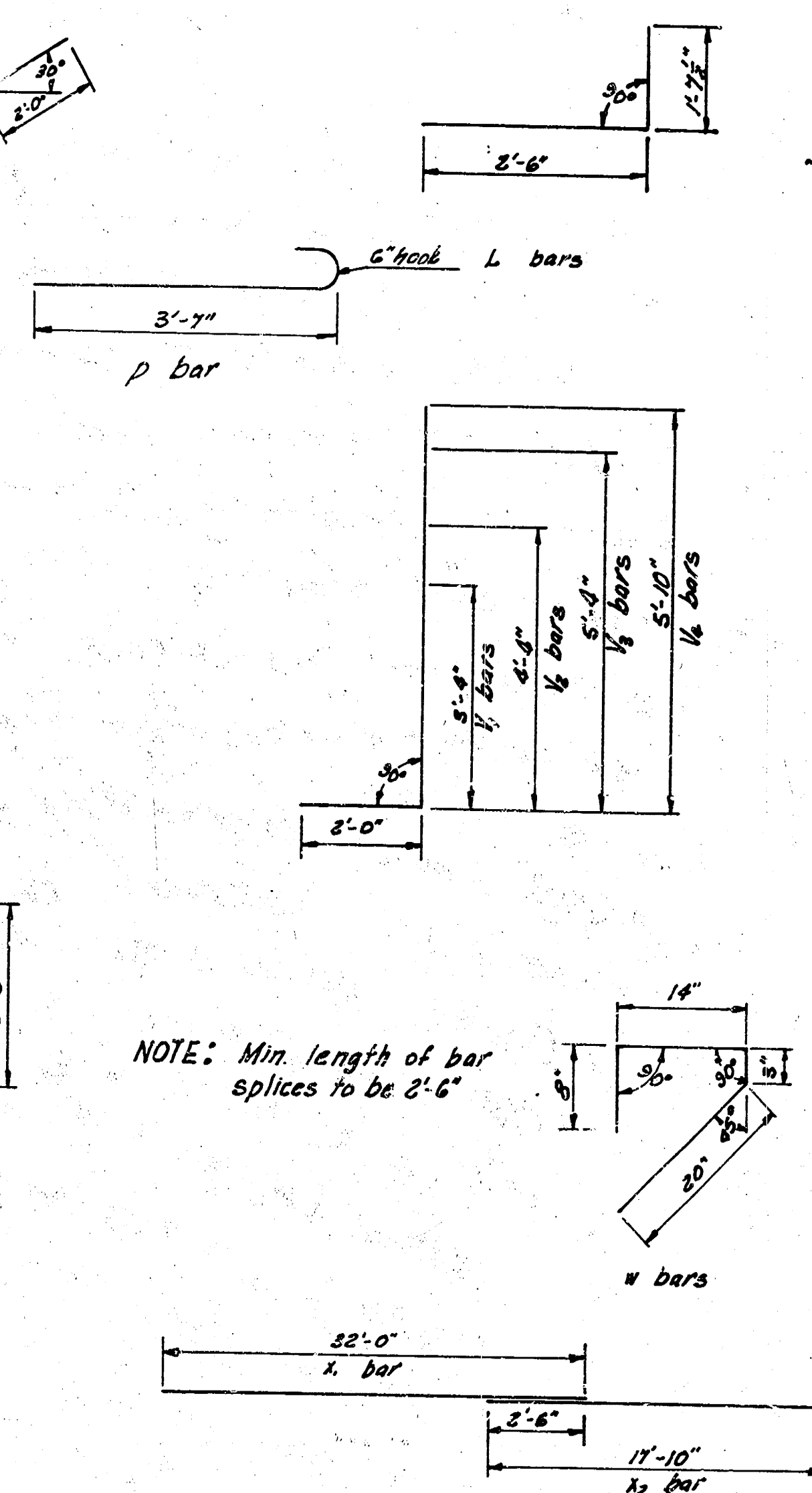
PART ELEVATION OF HANDRAIL & HUBGUARD

Scale: 1"=2'-0"



NOTE: b_2 & b_3 bars in ext. walls
Splices of b_2 & b_3 bars to be staggered

NOTE: Splices of b & b₁ bars to be staggered

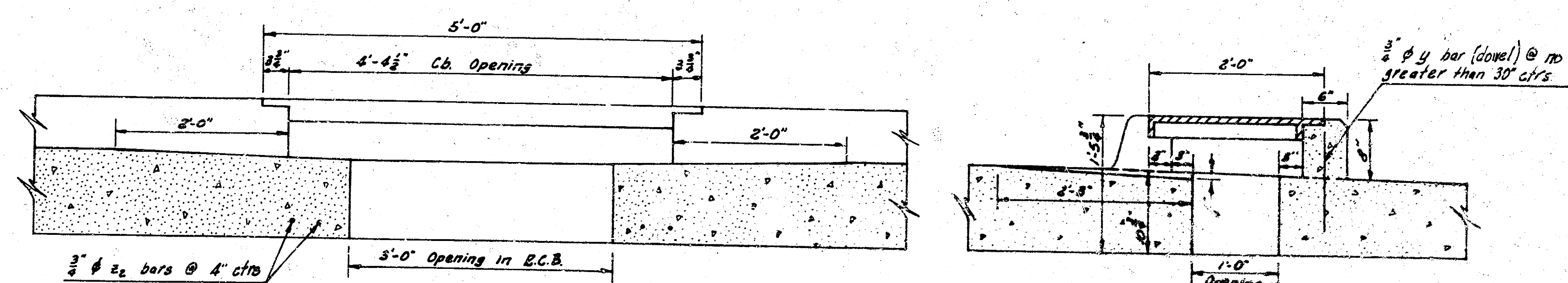


NOTE: Min. length of bar
splices to be 2'-6"

BAR BENDING DIAGRAMS
Not to Scale

STEEL SCHEDULE				
BAR	SIZE	NO.	LENGTH	SHAPE
a	1/2" Ø	204	30'-0"	
b	"	412	6'-0"	
c	"	52	40'-0"	
d	"	52	22'-0"	
e	"	8	40'-0"	
f	"	8	22'-0"	
g	"	36	30'-6"	
h	"	16	9'-0"	
i	"	16	4'-0"	
j	"	6	23'-0"	
k	"	12	8'-0"	
l	"	12	12'-6"	
m	"	4	11'-0"	
n	"	4	8'-10"	
o	"	8	3'-0"	
p	1/2" Ø	36	4'-0"	
q	1/2" Ø	64	4'-0"	
r	1/2" Ø	4	22'-0"	
s	1/2" Ø	4	9'-0"	
t	"	4	26'-0"	
u	"	240	5'-0"	
v	"	8	5'-0"	
w	"	8	5'-0"	
x	"	4	1'-0"	
y	1/2" Ø	9	7'-10"	
z	1/2" Ø	6	32'-0"	
aa	"	2	17'-10"	
ab	"	58	5'-0"	
ac	"	12	15'-0"	
ad	"	12	3'-0"	
ae	1/2" Ø	24	5'-0"	

BILL OF MATERIALS		
ITEM	QUANTITY	UNITS
Class "A" Concrete	152.8	Cu. Yds.
Reinforcing Steel	23,885	Lbs.
Handrail	54	Lin. Ft.
General Excavation	345	Cu. Yds.
Hand Excavation	13	Cu. Yds.
Compacted Backfill	57	Cu. Yds.
Integral Curb	54	Lin. Ft.
5" Walk	54	Lin. Ft.
Standard Catch Basin Lid	6	EACH



SECTIONS THROUGH CATCH BASINS