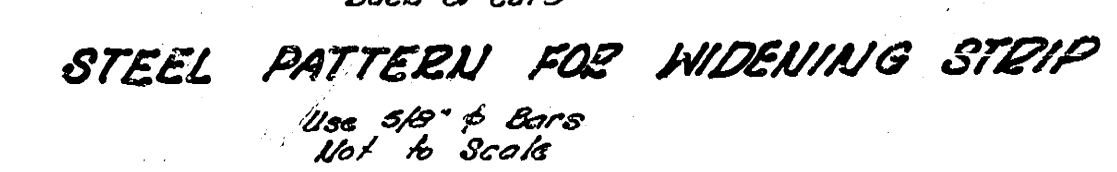
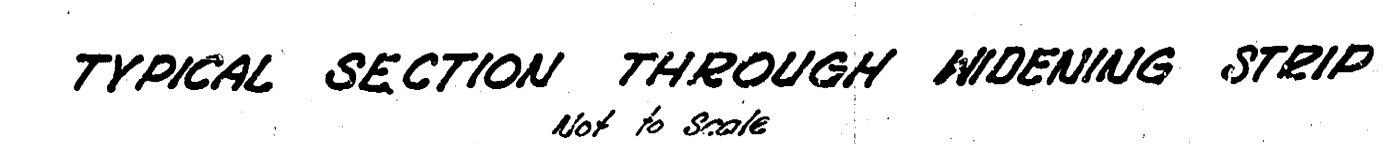
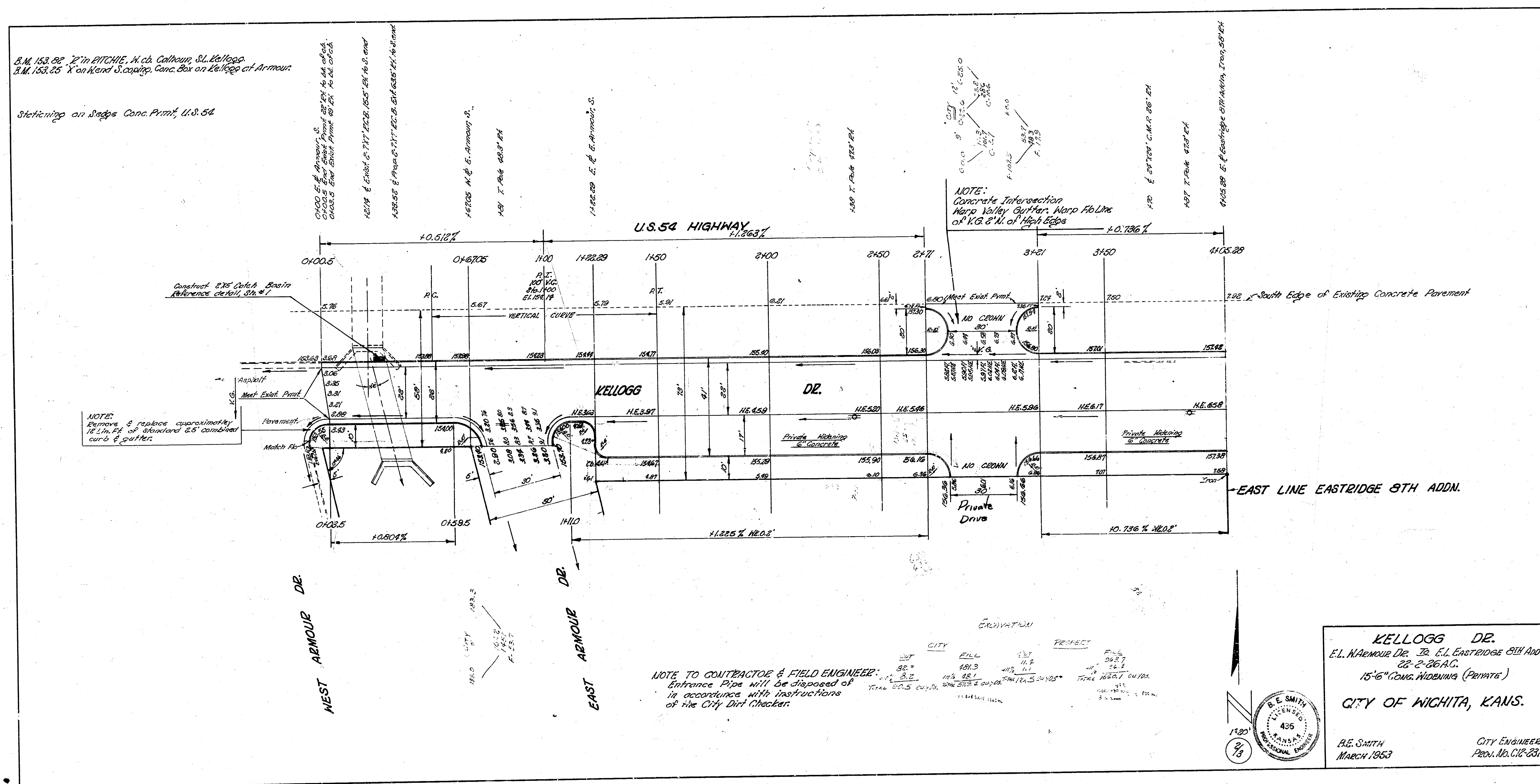


Survey Mills Blk 82
Plan Bengtson
Exc Berntson
Checked



④

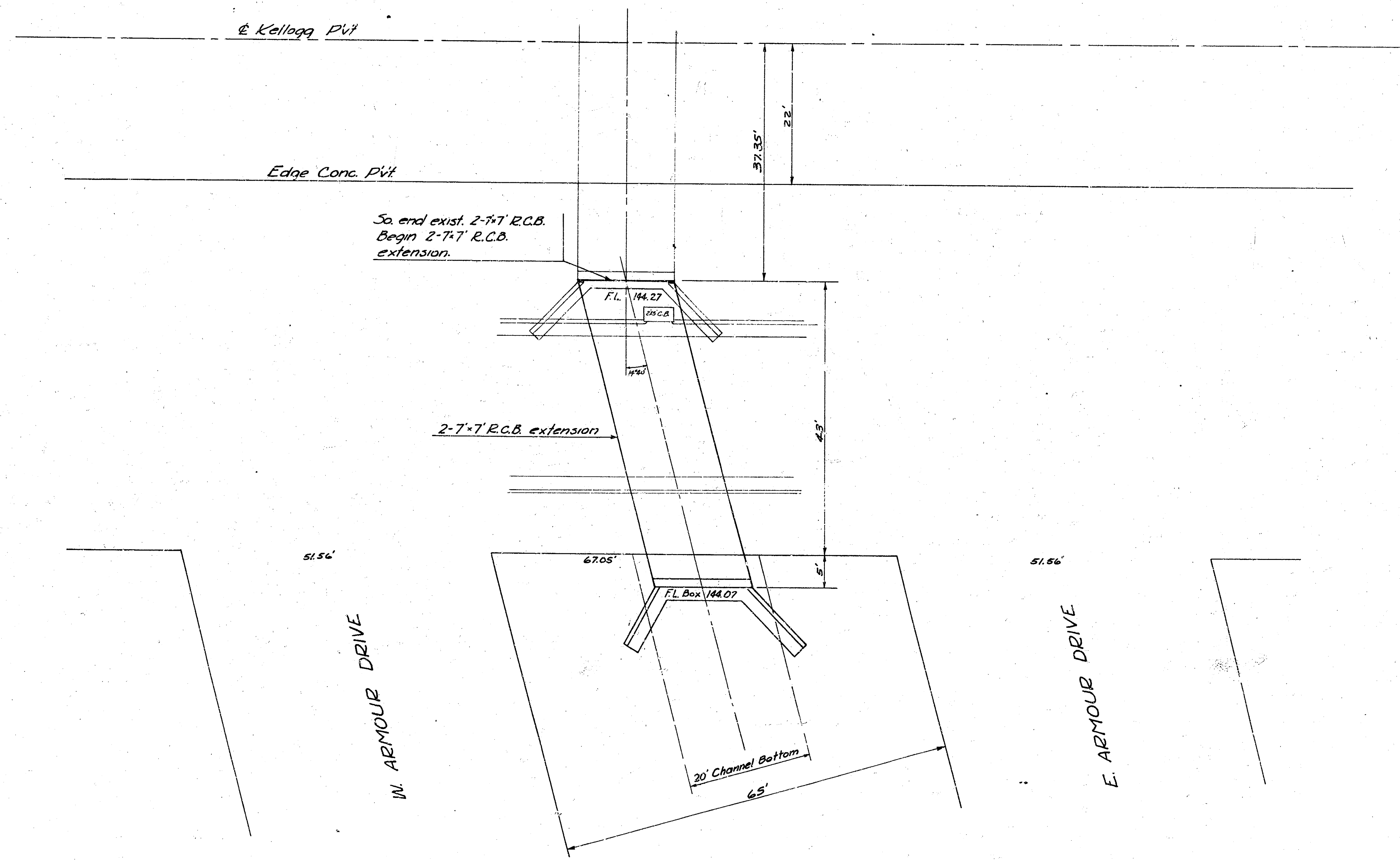


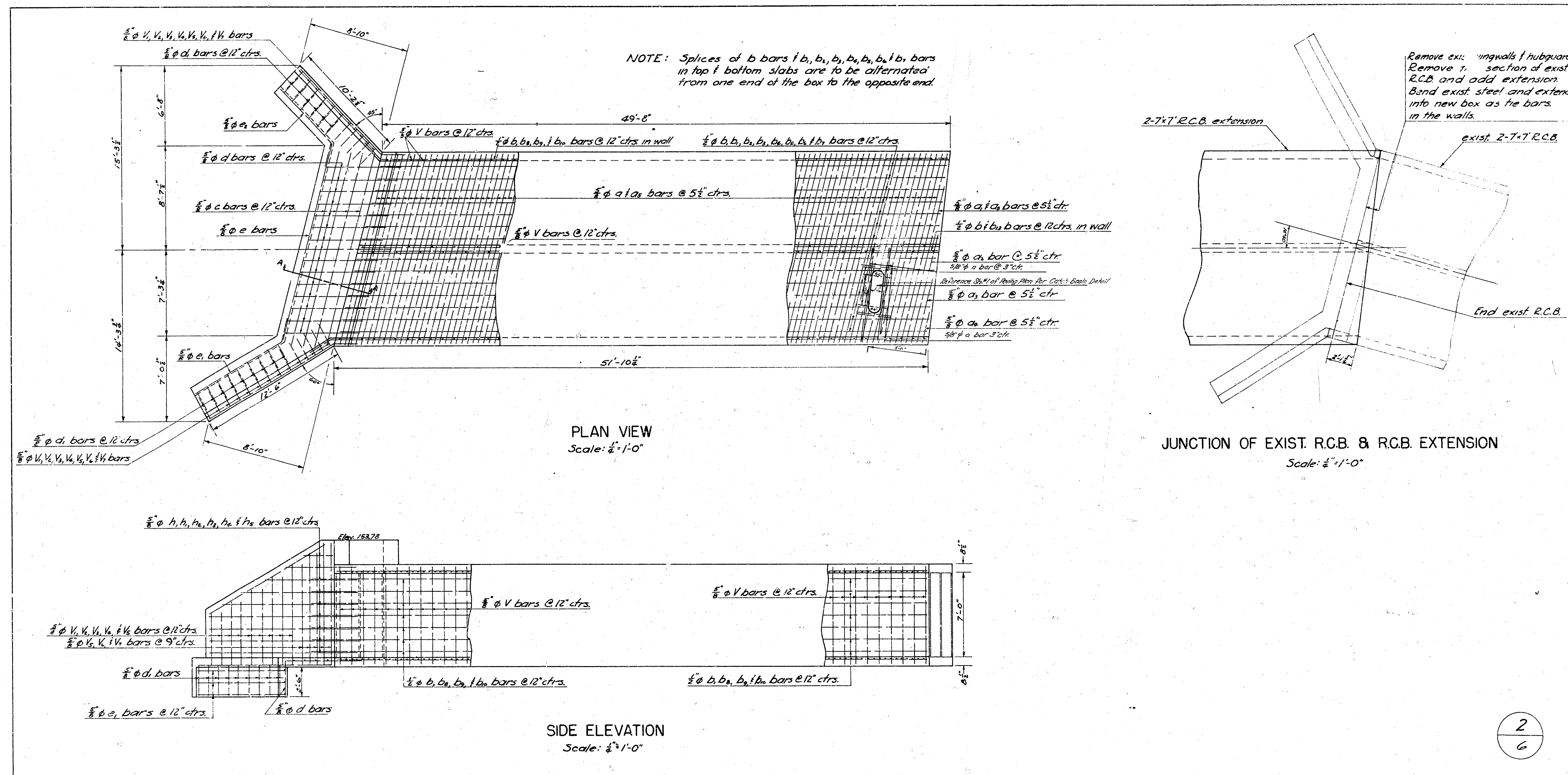
Book 306
Book 517

BM 153.82 2" in Ritchie W. Co. Colthoun, S.L. Kellogg

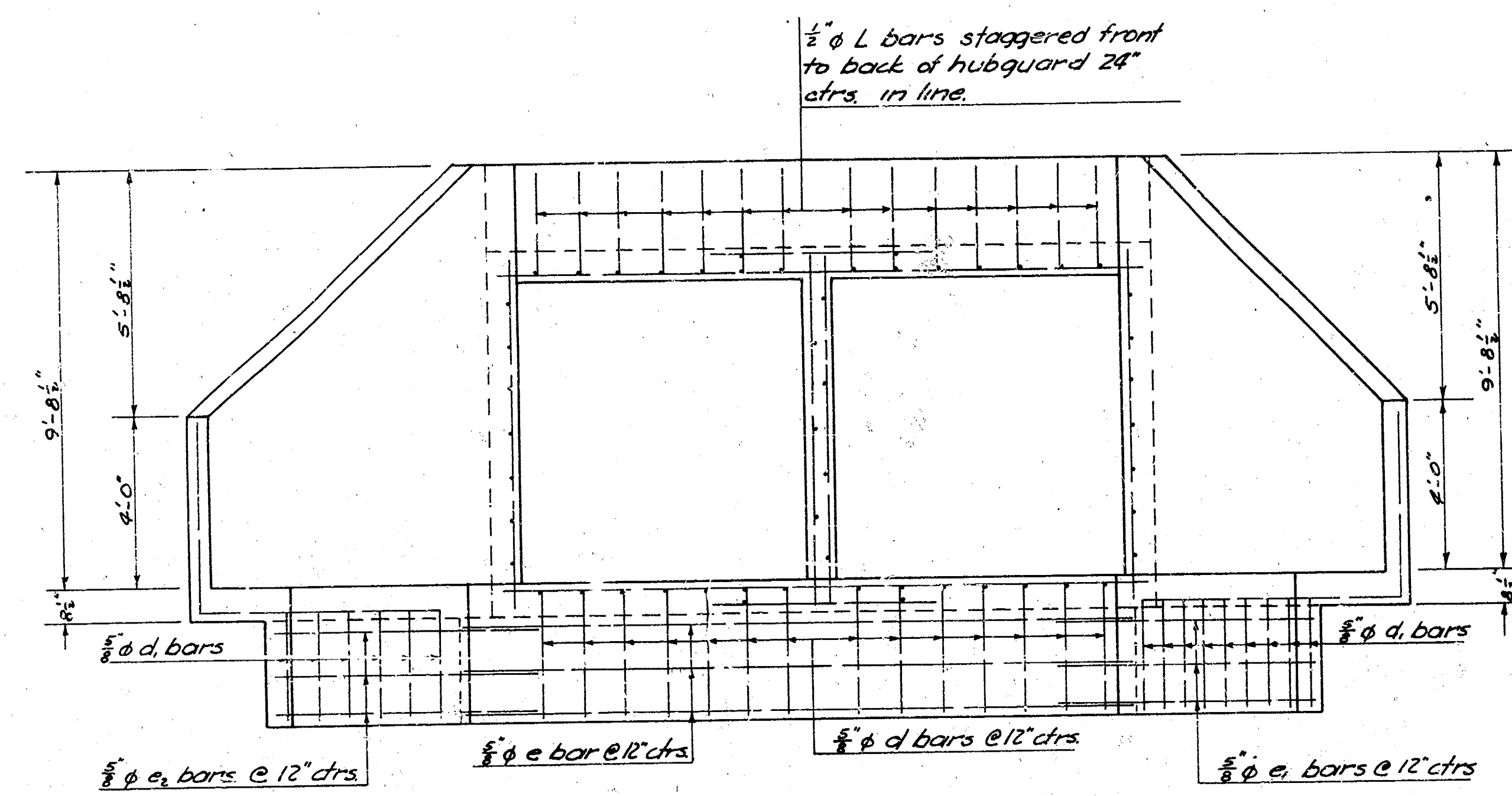
REINFORCED CONCRETE BOX EXTENSION 2-7'x7' KELLOGG & ARMOUR

PLAN LAYOUT
Scale: 1"=10'-0"

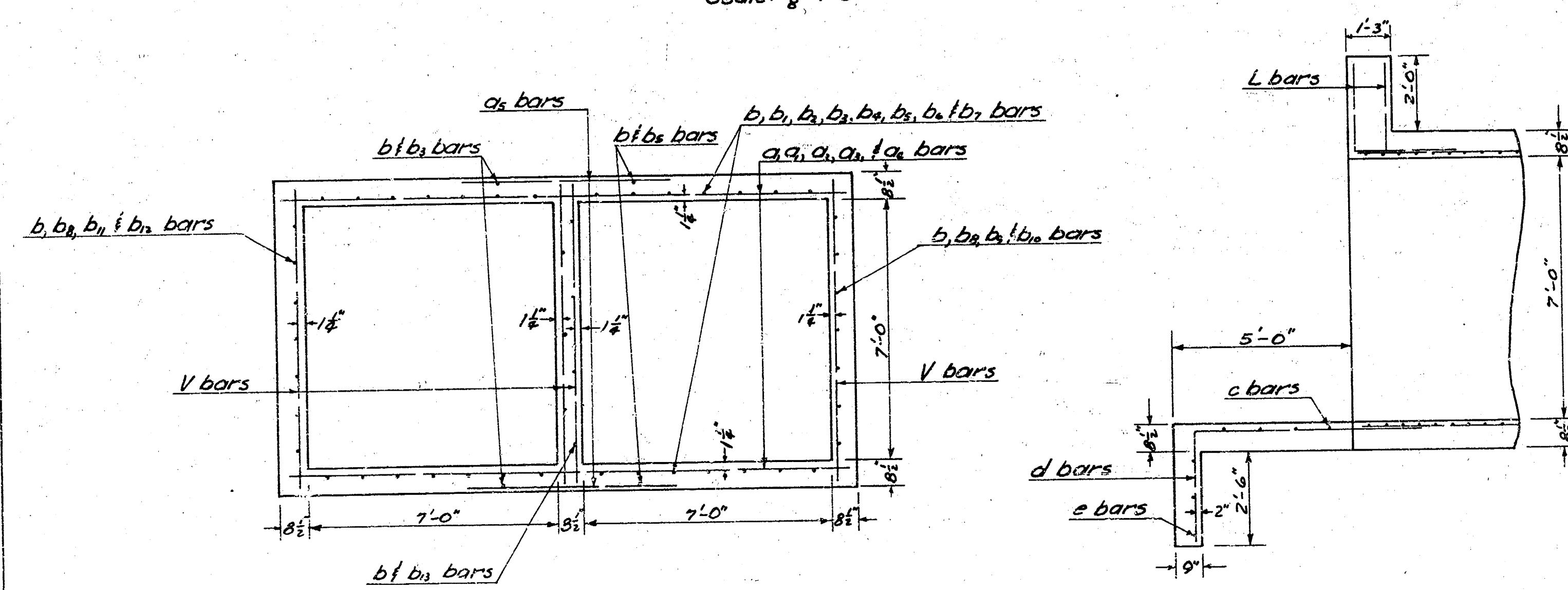




NOTE: Excav. to be extended 3' each side of box and 3' behind end of exist. box.
Excav. 2' below bottom of box & wingwalls and compact back-fill with sand & dirt.
X-sec. are to be taken after excav. is completed, before backfilling and beginning construction.

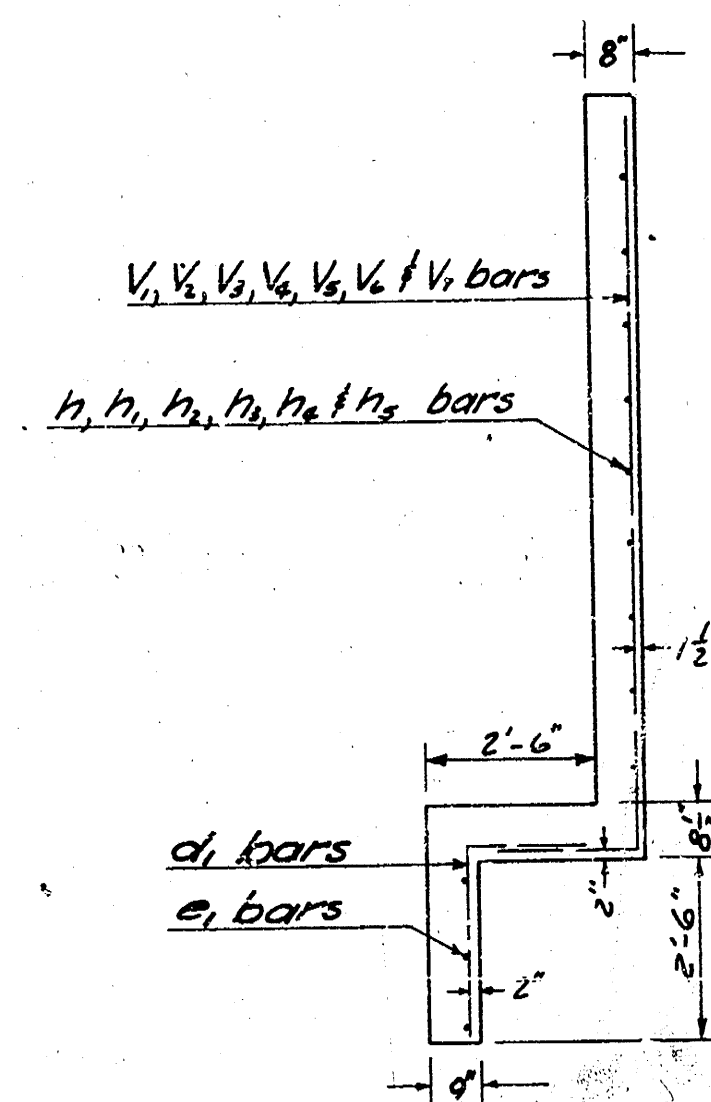


END ELEVATION
Scale: 3/8" = 1'-0"

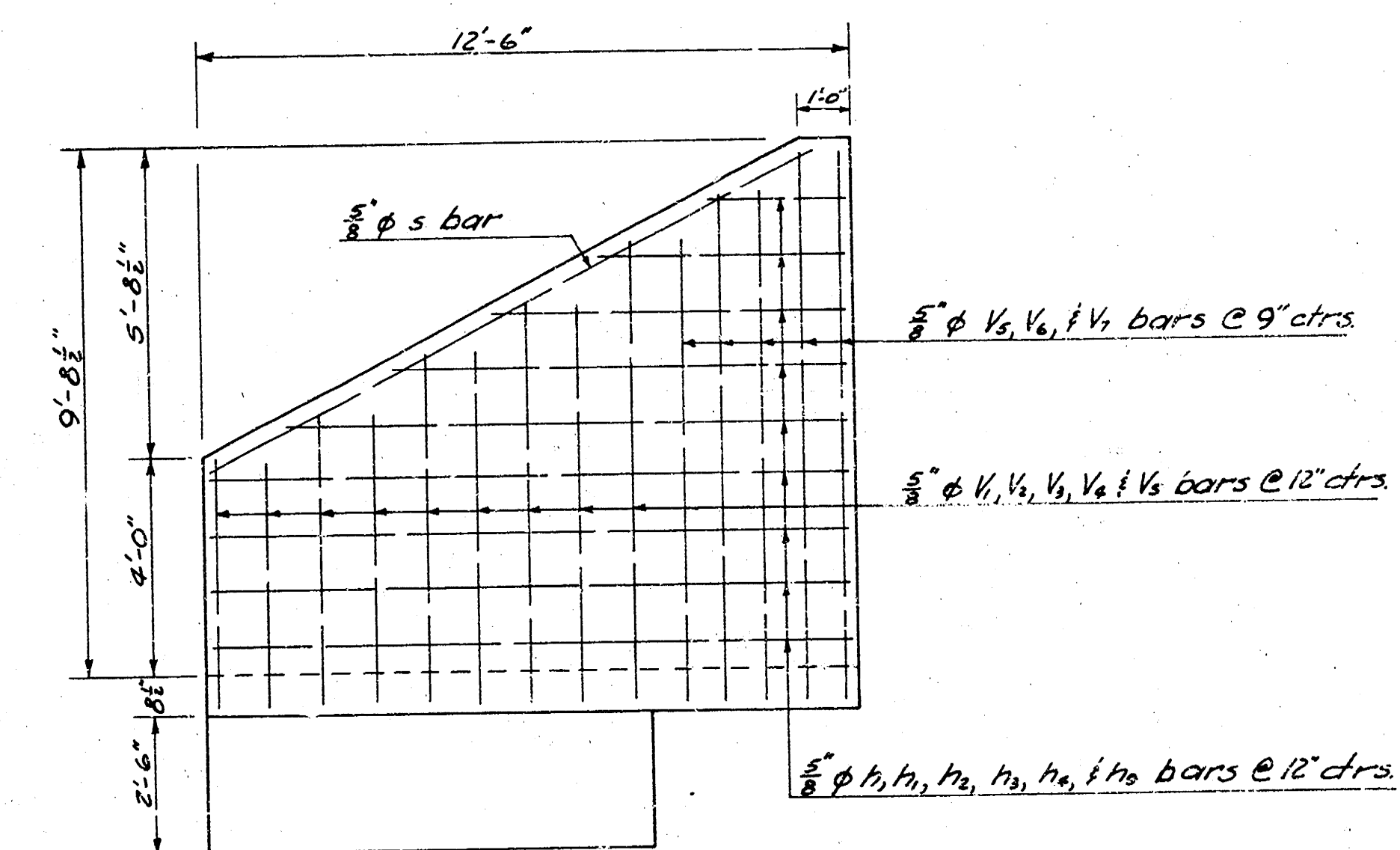


CROSS SECTION OF BOX
Scale: 3/8" = 1'-0"

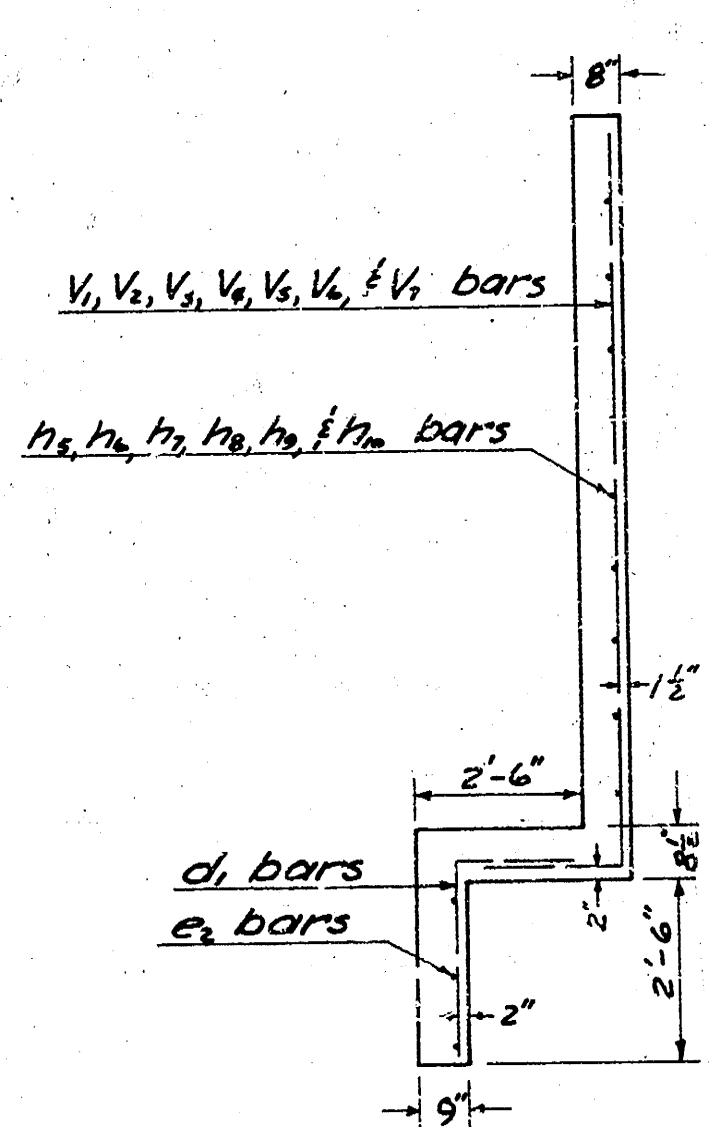
SECTION A-A
Scale: 3/8" = 1'-0"



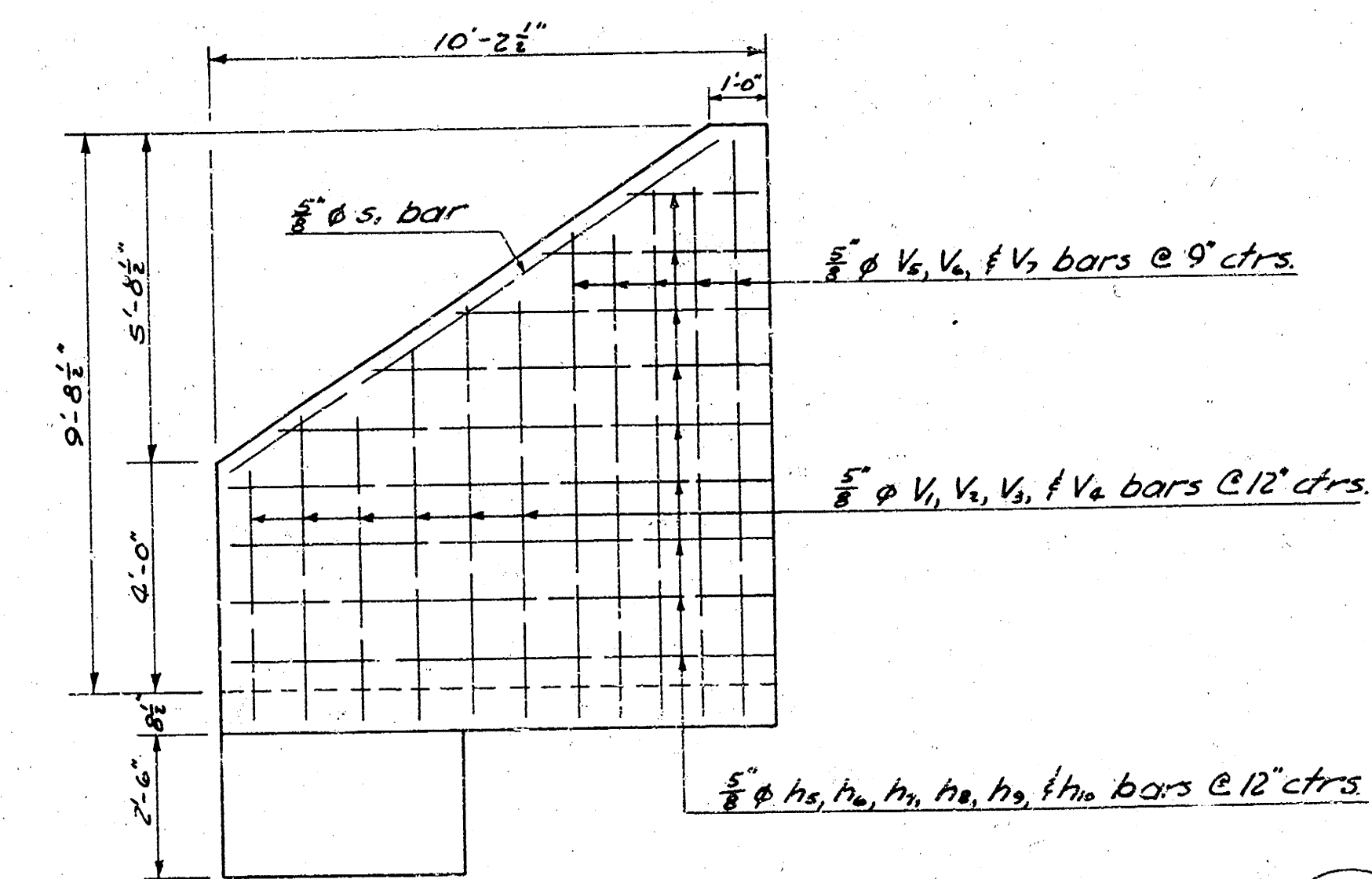
SECTION EAST WINGWALL
Scale: 3/8" = 1'-0"



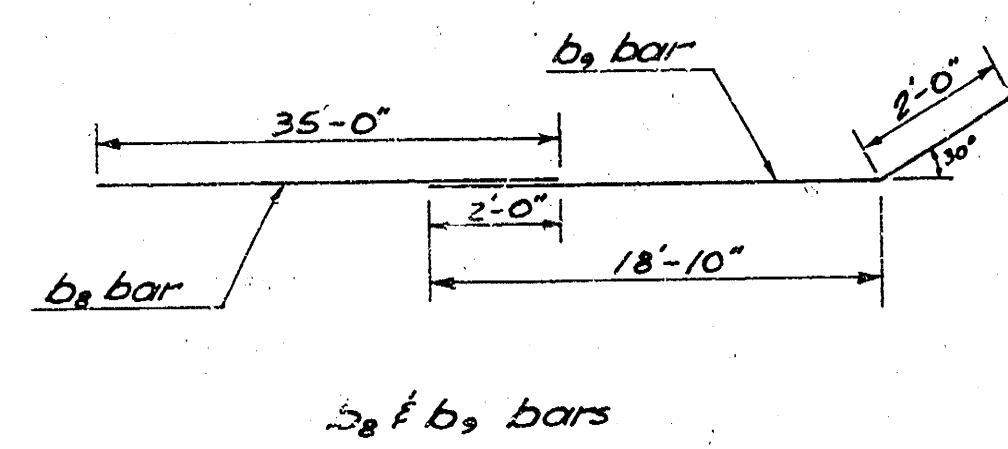
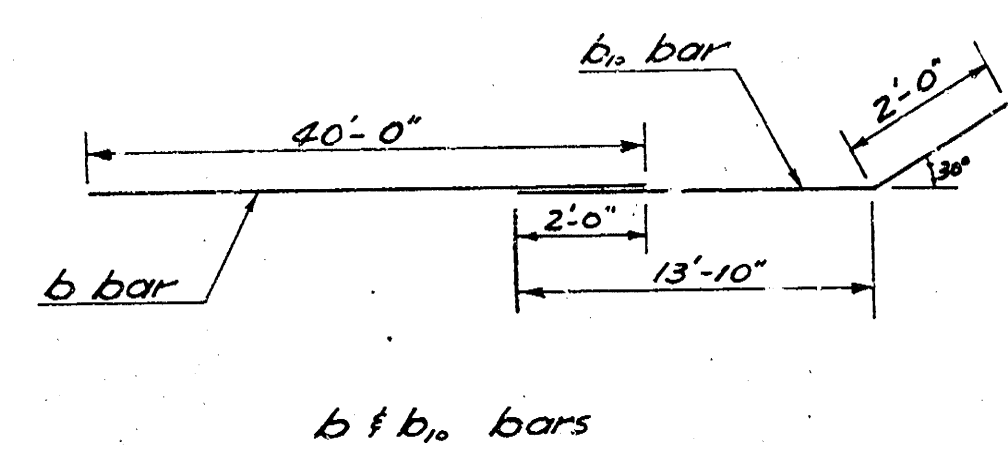
LONGITUDINAL SECTION OF EAST WINGWALL
Scale: 3/8" = 1'-0"



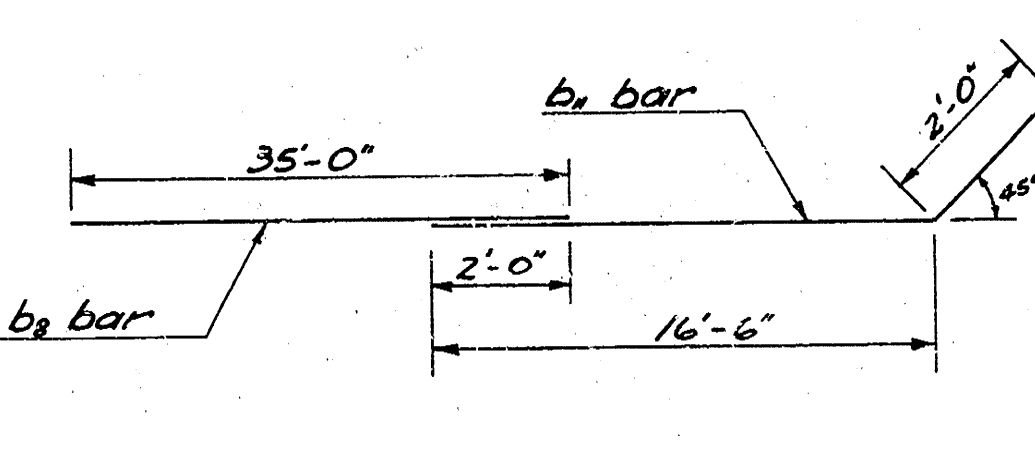
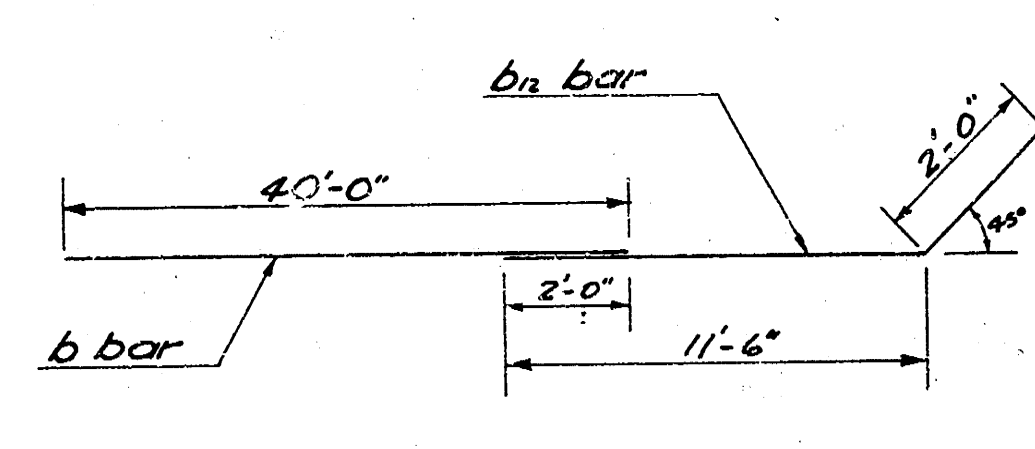
SECTION WEST WINGWALL
Scale: 3/8" = 1'-0"



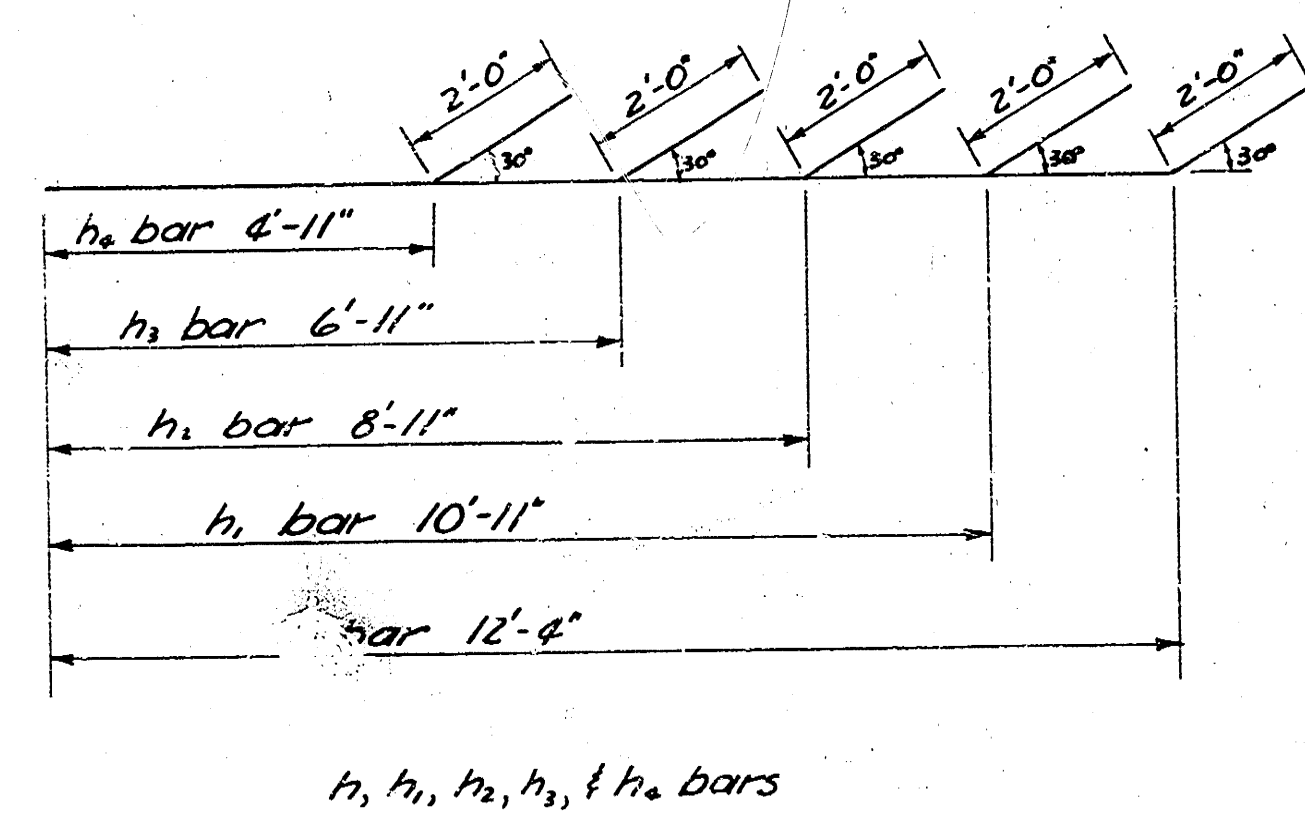
LONGITUDINAL SECTION OF WEST WINGWALL
Scale: 3/8" = 1'-0"



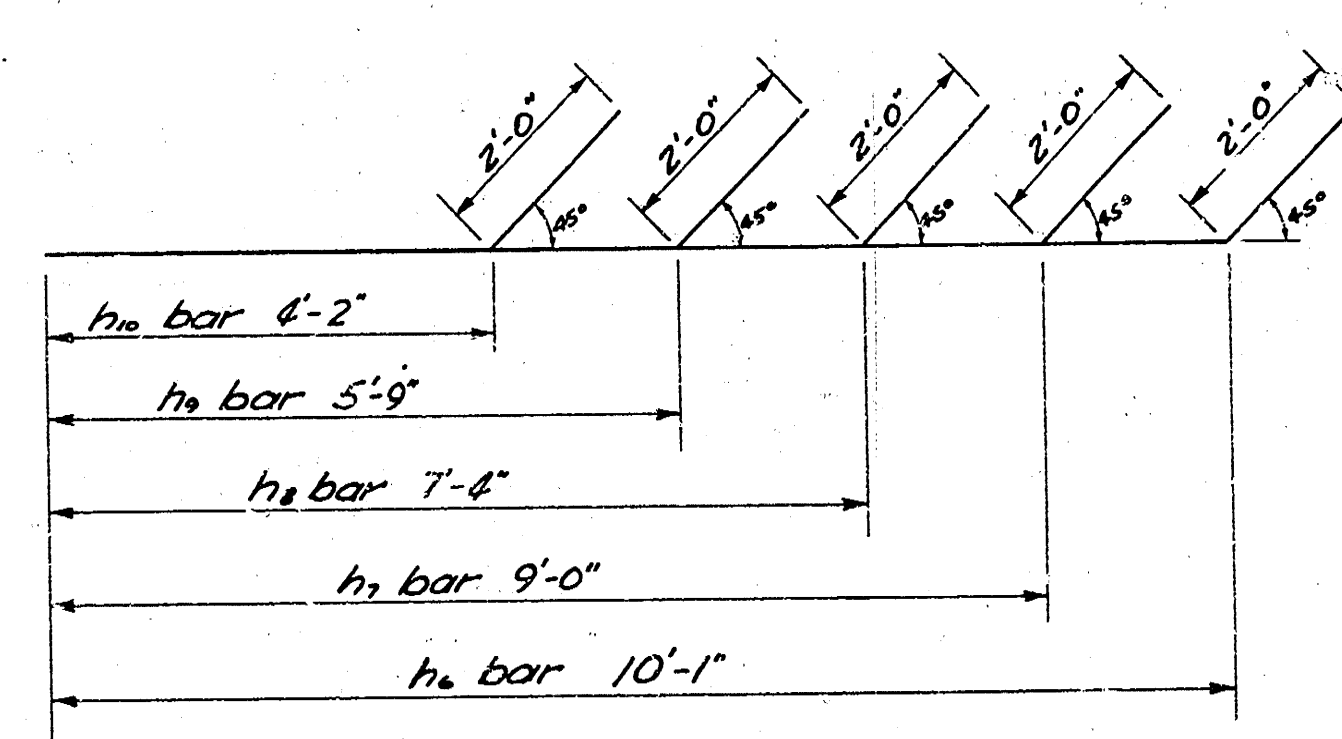
NOTE: Alternate b1 b2 bars with b2 b1 bars in east wall



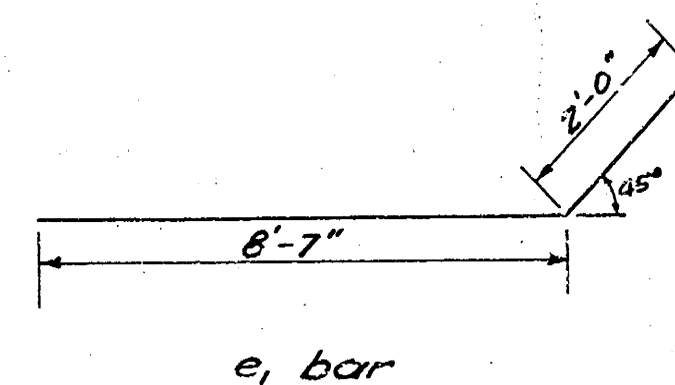
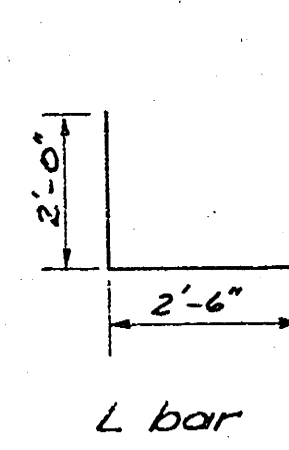
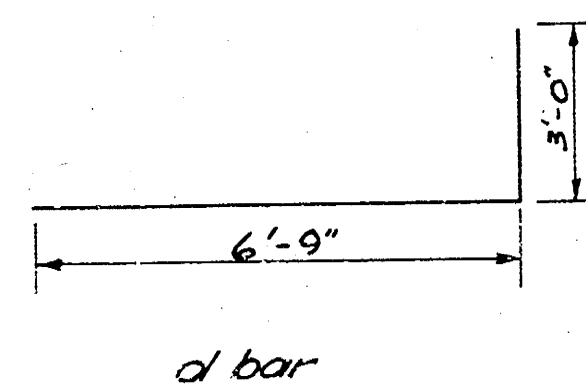
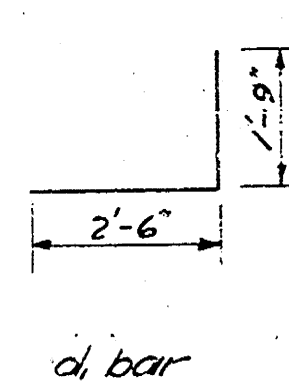
NOTE: Alternate b1 b2 bars with b2 b1 bars in west wall



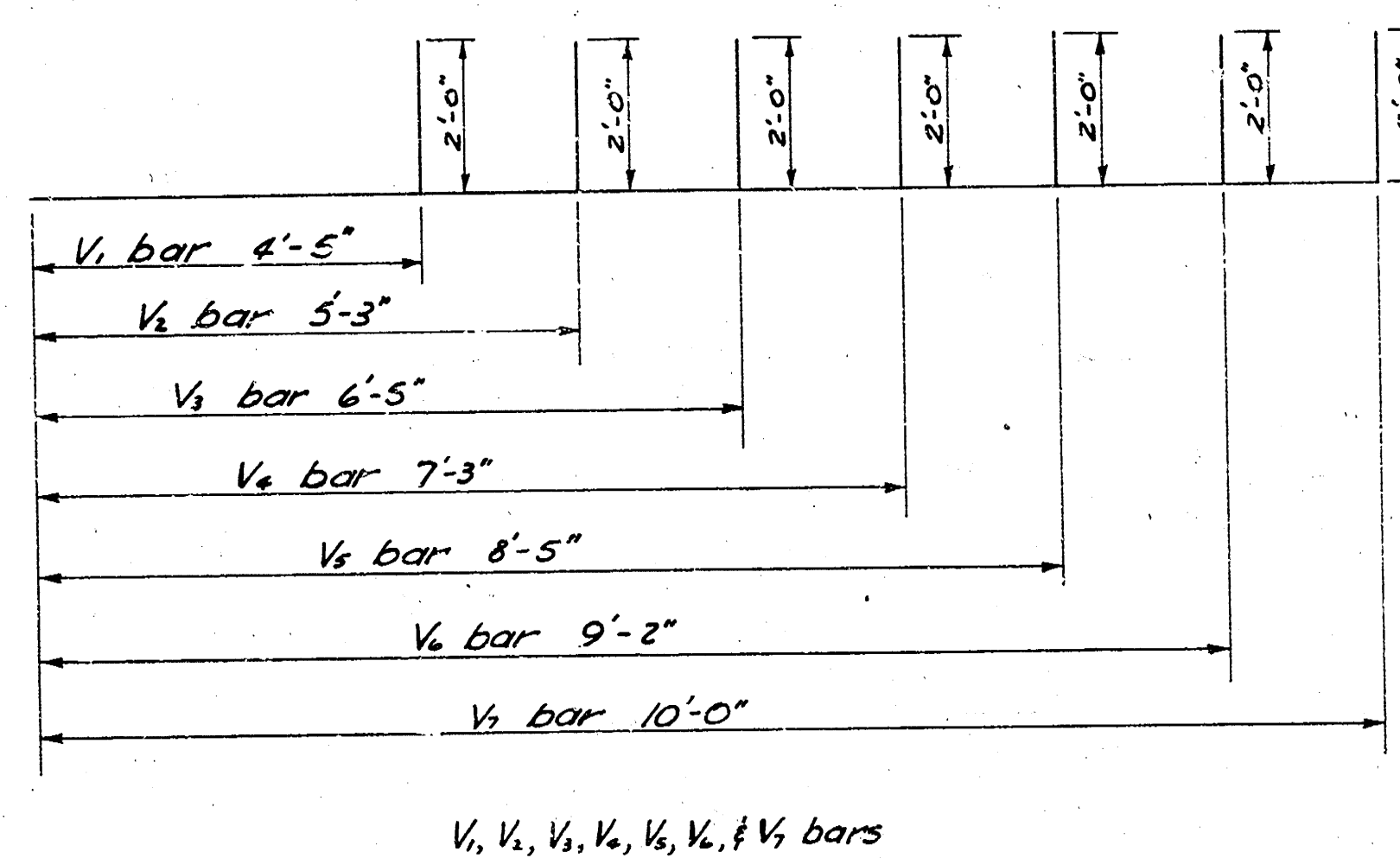
h1, h2, h3, h4, h5 bars



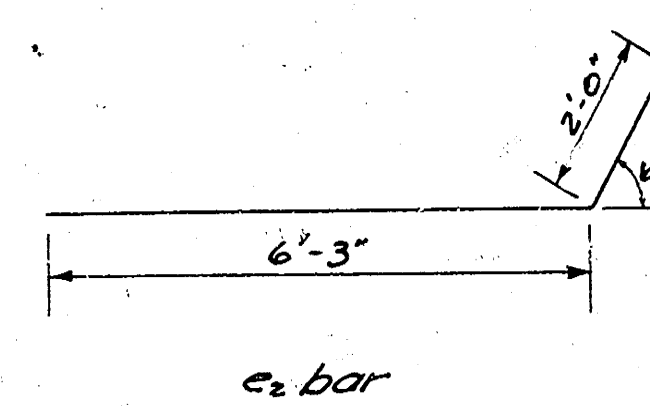
h6, h7, h8, h9, h10 bars



BAR BENDING DIAGRAMS.
No Scale



V1, V2, V3, V4, V5, V6 bars



BILL OF MATERIALS		
ITEM	QUANTITY	UNITS
Class A Concrete	83.0	Cu.
General Excavation	160	Cu. Yds.
Compacted Backfill (Sand)	54.3	Tons
Rein. Steel	9,101	Lbs.
Removal Headwall Exist. Box		

STEEL SCHEDULE									
BAR	SIZE	NO.	LENGTH	SHAPE	BAR	SIZE	NO.	LENGTH	SHAPE
a	3/8"	216	16'-4"		h1	3/8"	1	12'-11"	
a1	"	2	15'-4"		h2	"	1	10'-11"	
a2	"	2	9'-4"		h3	"	1	8'-11"	
a3	"	2	5'-4"		h4	"	1	6'-11"	
a4	"	2	2'-4"		h5	"	2	2'-6"	
a5	3/8"	218	5'-9"		h6	"	4	12'-1"	
b	3/8"	45	40'-0"		h7	"	1	11'-0"	
b1	"	4	11'-7"		h8	"	1	9'-4"	
b2	"	4	11'-10"		h9	"	1	7'-0"	
b3	"	6	12'-1"		h10	"	1	6'-2"	
b4	"	4	12'-5"		L	3/8"	14	4'-5"	
b5	"	6	12'-9"		S	3/8"	1	13'-0"	
b6	"	4	13'-0"		S1	"	1	10'-9"	
b7	"	4	13'-3"		V	"	153	8'-2"	
b8	"	8	35'-0"		V1	"	3	6'-5"	
b9	"	4	20'-10"		V2	"	4	7'-3"	
b10	"	3	15'-10"		V3	"	3	8'-5"	
b11	"	4	18'-6"		V4	"	4	9'-3"	
b12	"	3	13'-6"		V5	"	4	10'-5"	
b13	3/8"	7	12'-5"		V6	"	4	11'-2"	
c	3/8"	4	16'-8"		V7	3/8"	3	12'-0"	
d	"	14	9'-9"		O	3/8"	1	3'-0"	
d1	"	15	4'-3"		P	3/8"	1	8'-12"	
e	"	3	16'-8"						
e1	"	3	10'-7"						
e2	3/8"	3	8'-3"						
h	3/8"	4	18'-8"						