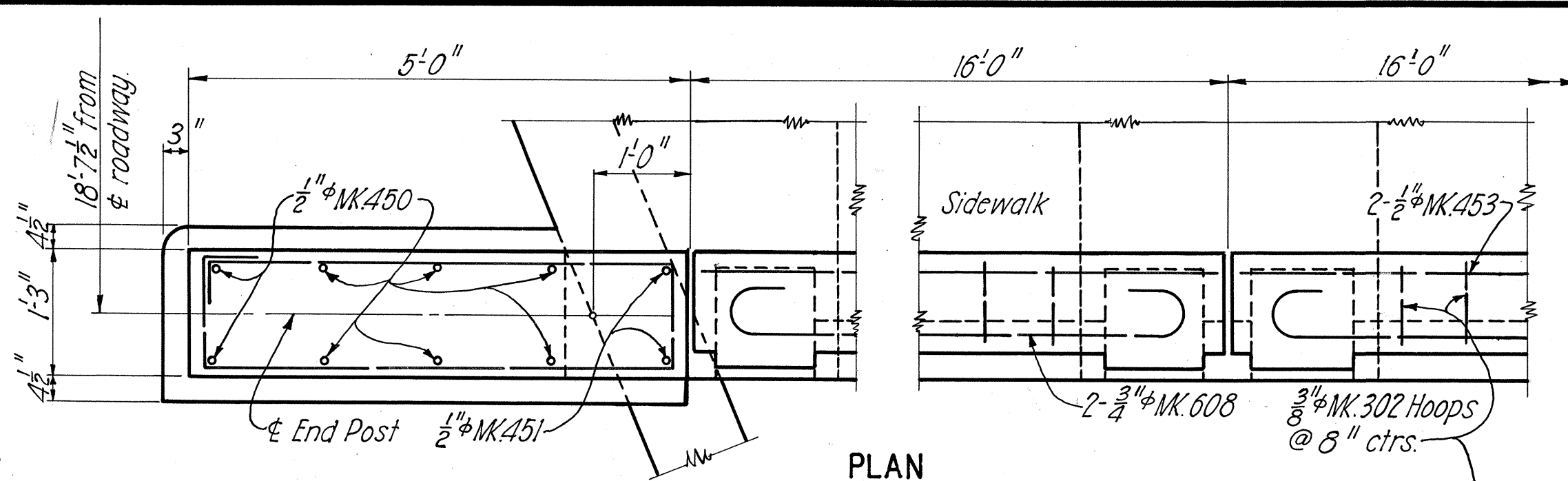
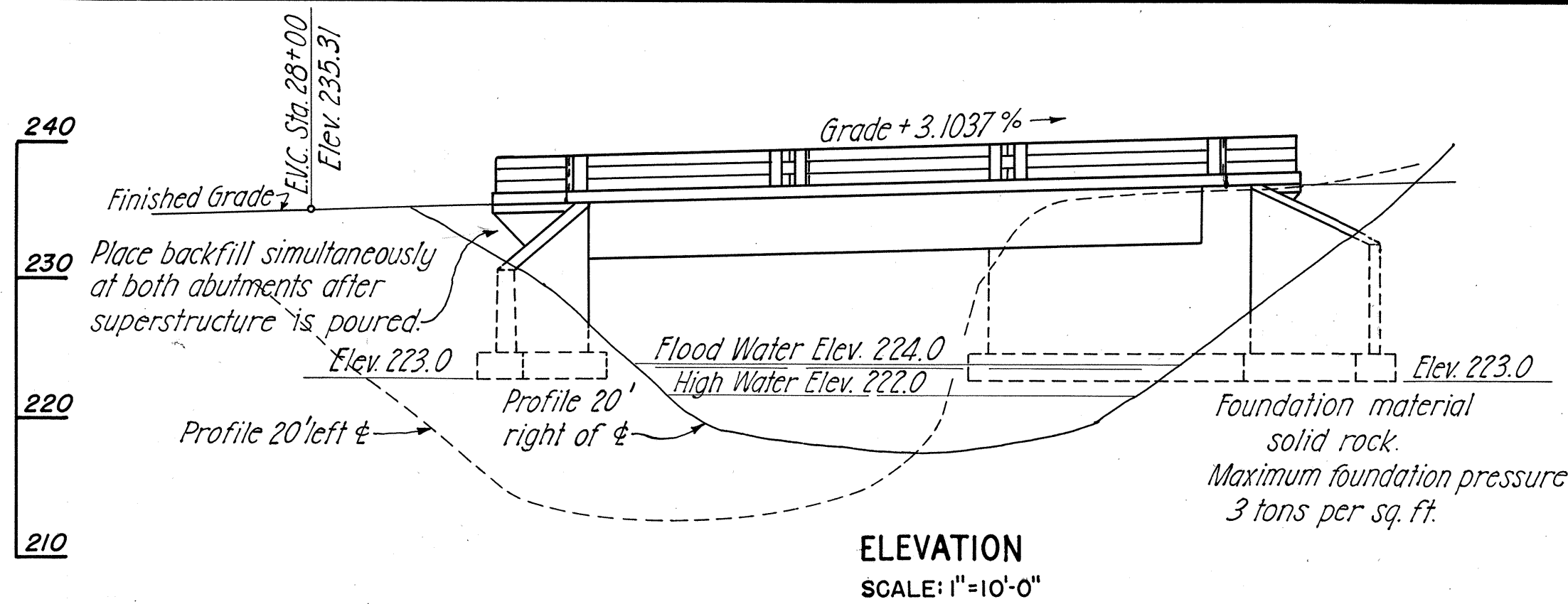
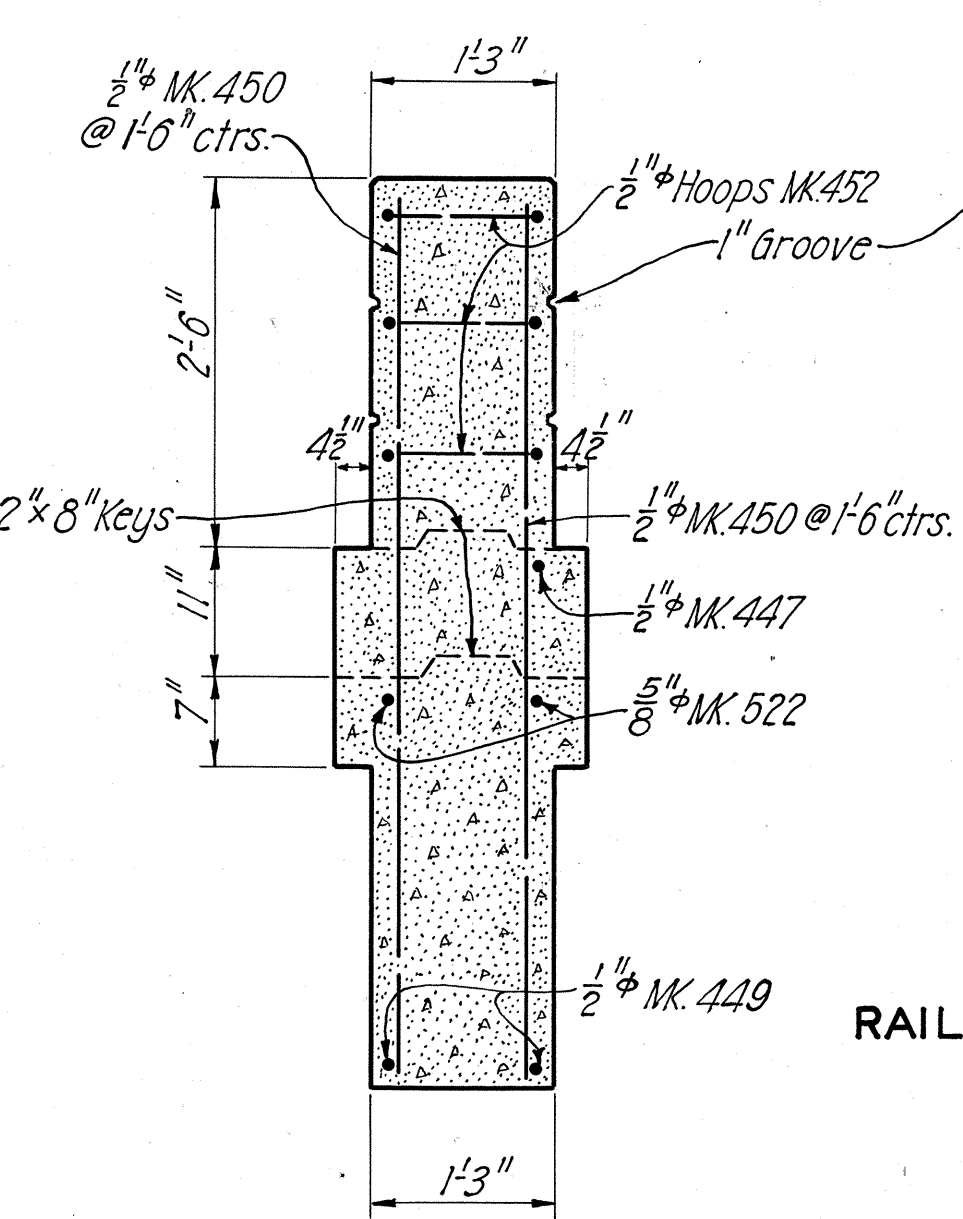
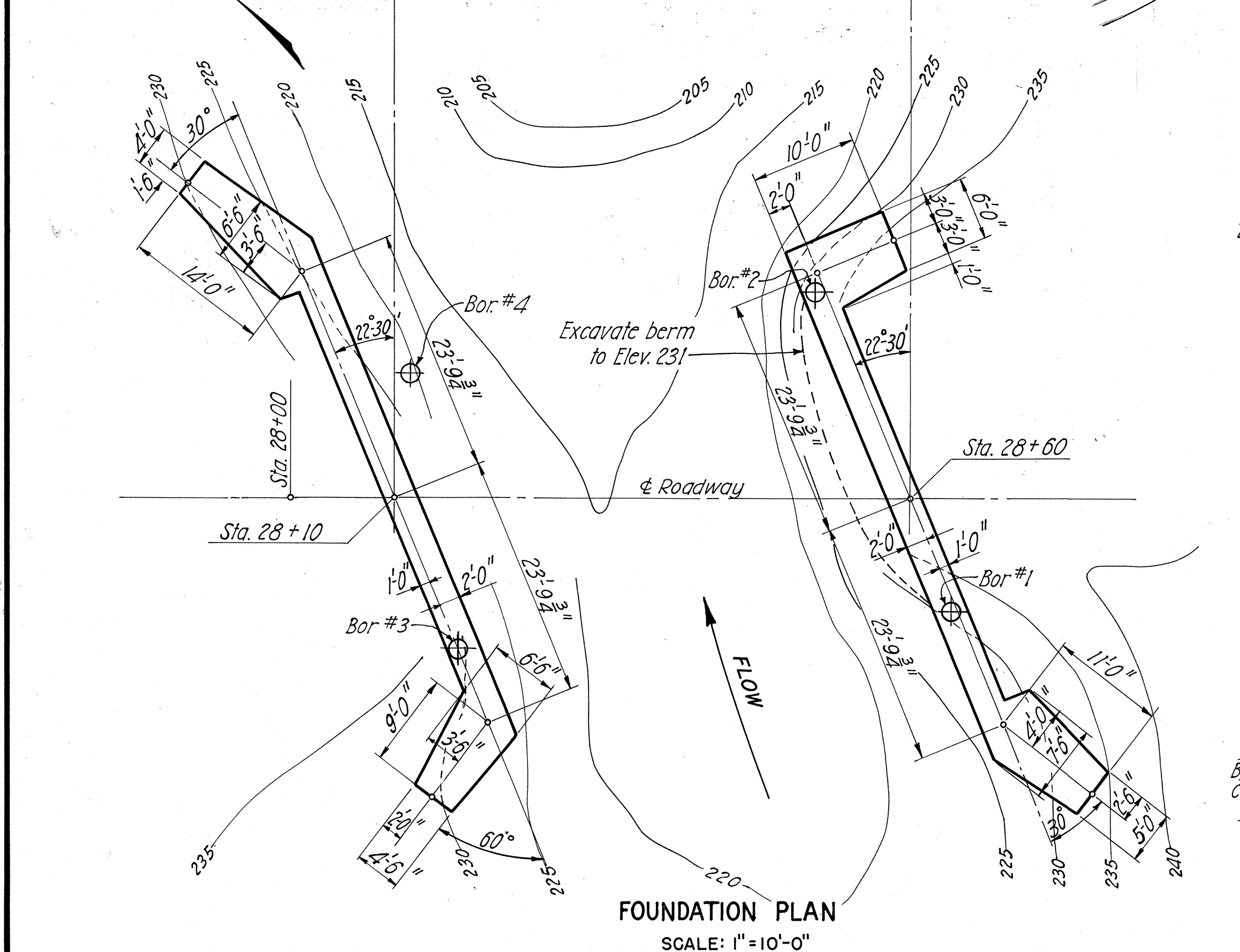
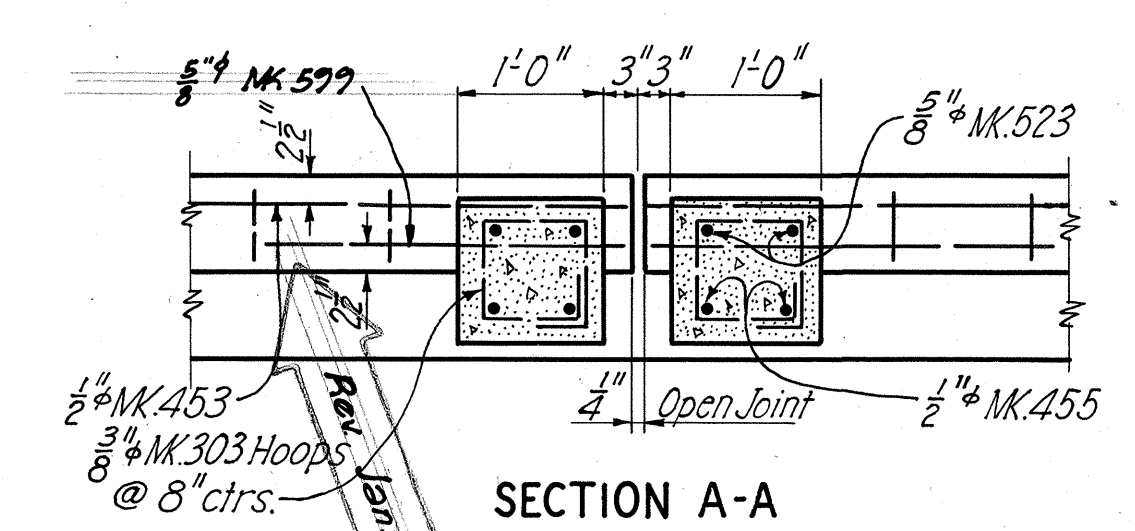
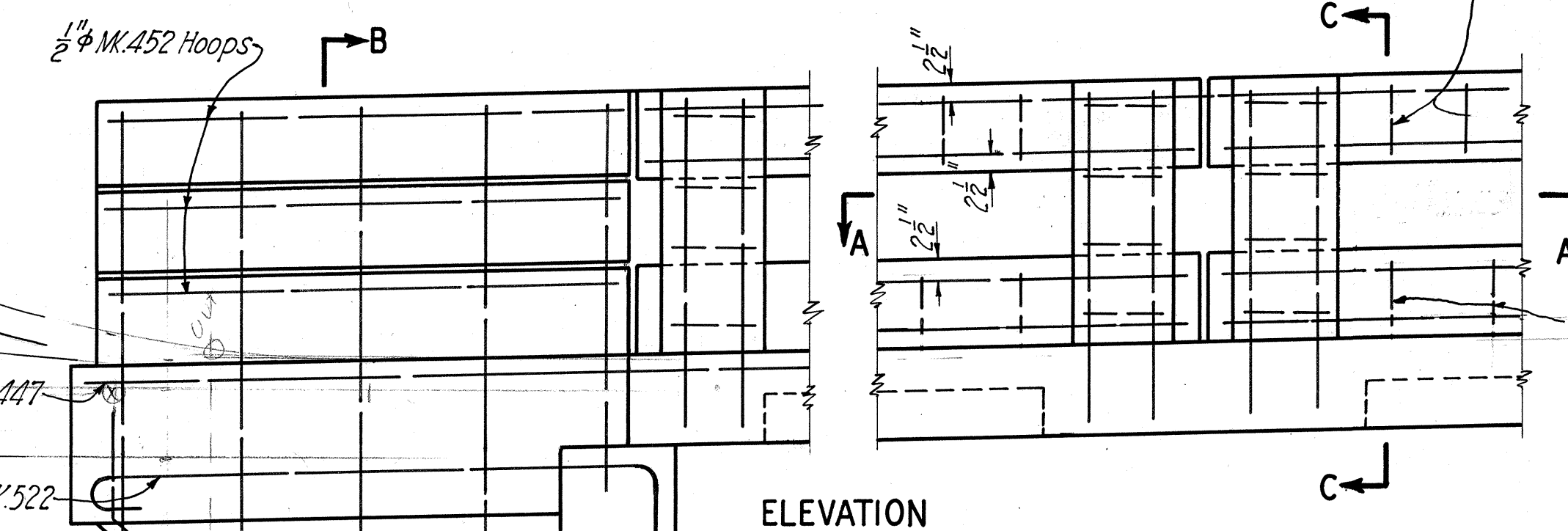
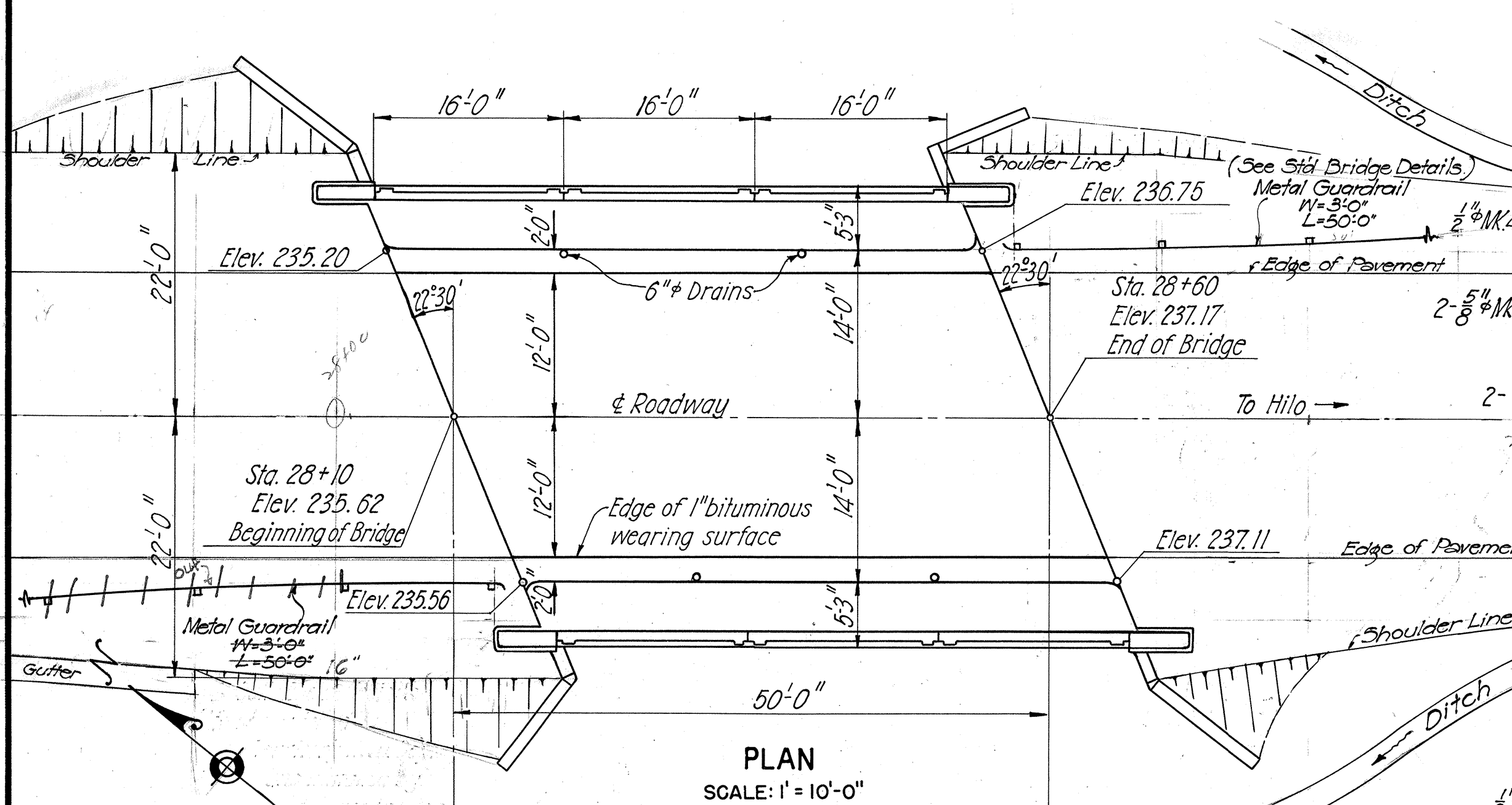
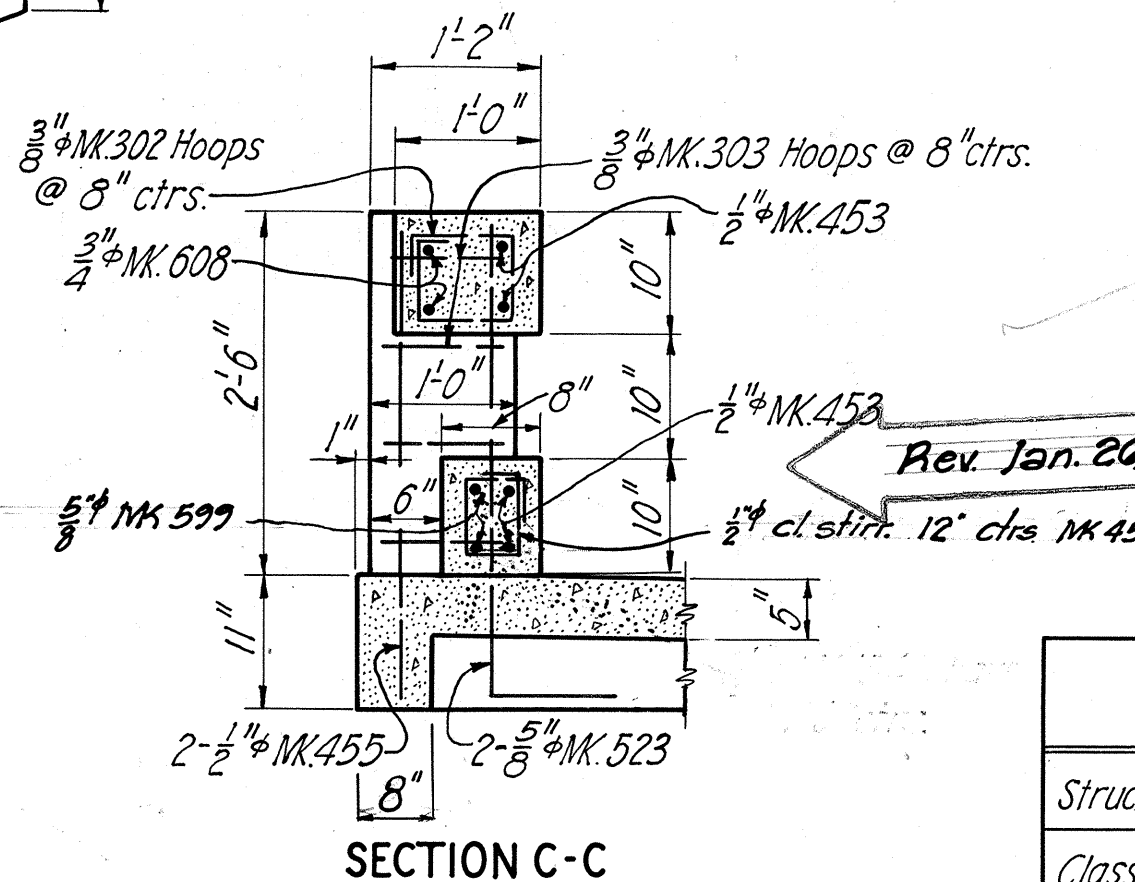




NOTE:
Sidewalk Railing & Railing Post to be poured after release of falsework.



RAILING DETAILS
SCALE: 3/4"=1'-0"



Note: All concrete to be Class A1
All dimensions relating to reinforcing steel refer to centers of bars unless noted otherwise
Live load H-20-44.

ITEM	UNIT	ABUT. 1	ABUT. 2	SUPERSTRUCTURE	RAIL & END POSTS	TOTAL
Structural Excavation	C.Y.	90	170			260
Class A1 Concrete	C.Y.	39	43	106	8.0	196
Reinforcing Steel	Lbs.	2572	3160	22,345	1,260	29,337

1672 30356

Jan. 26, 1951

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

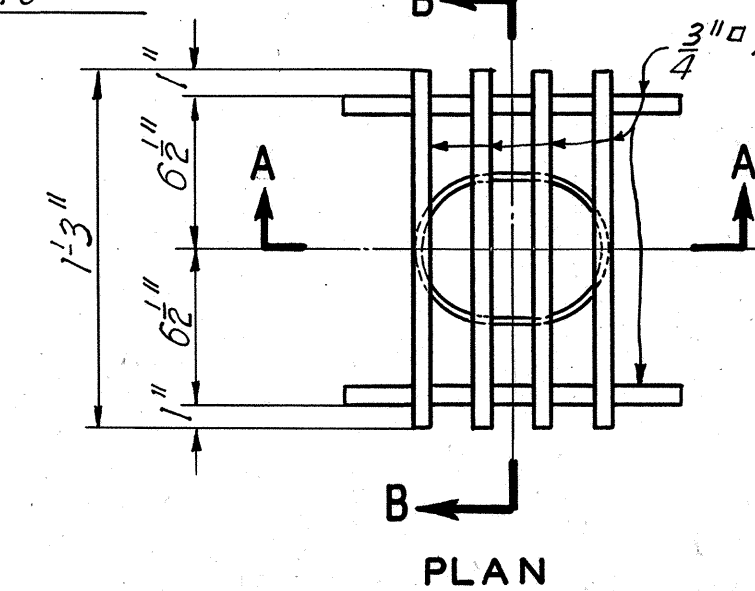
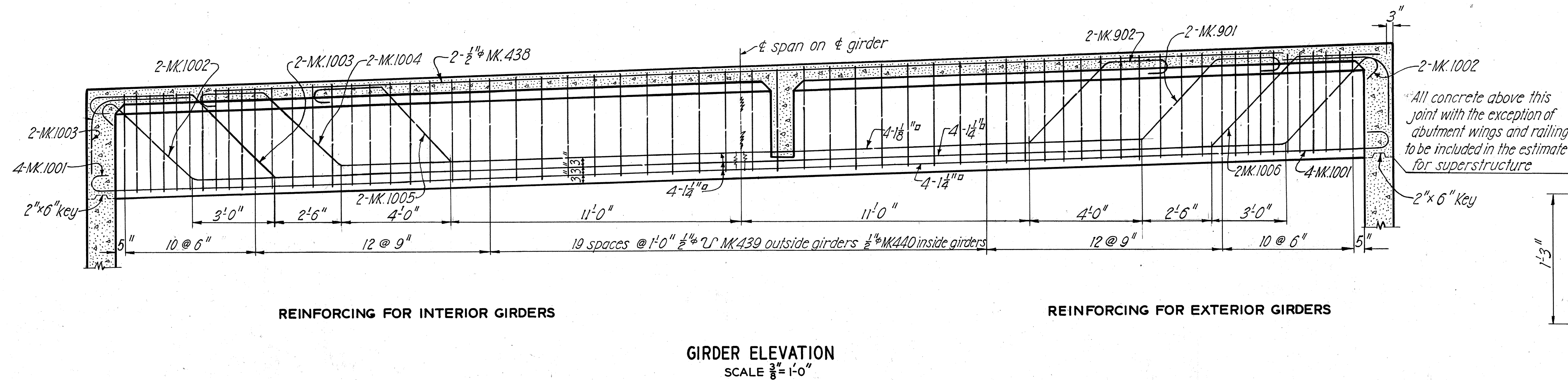
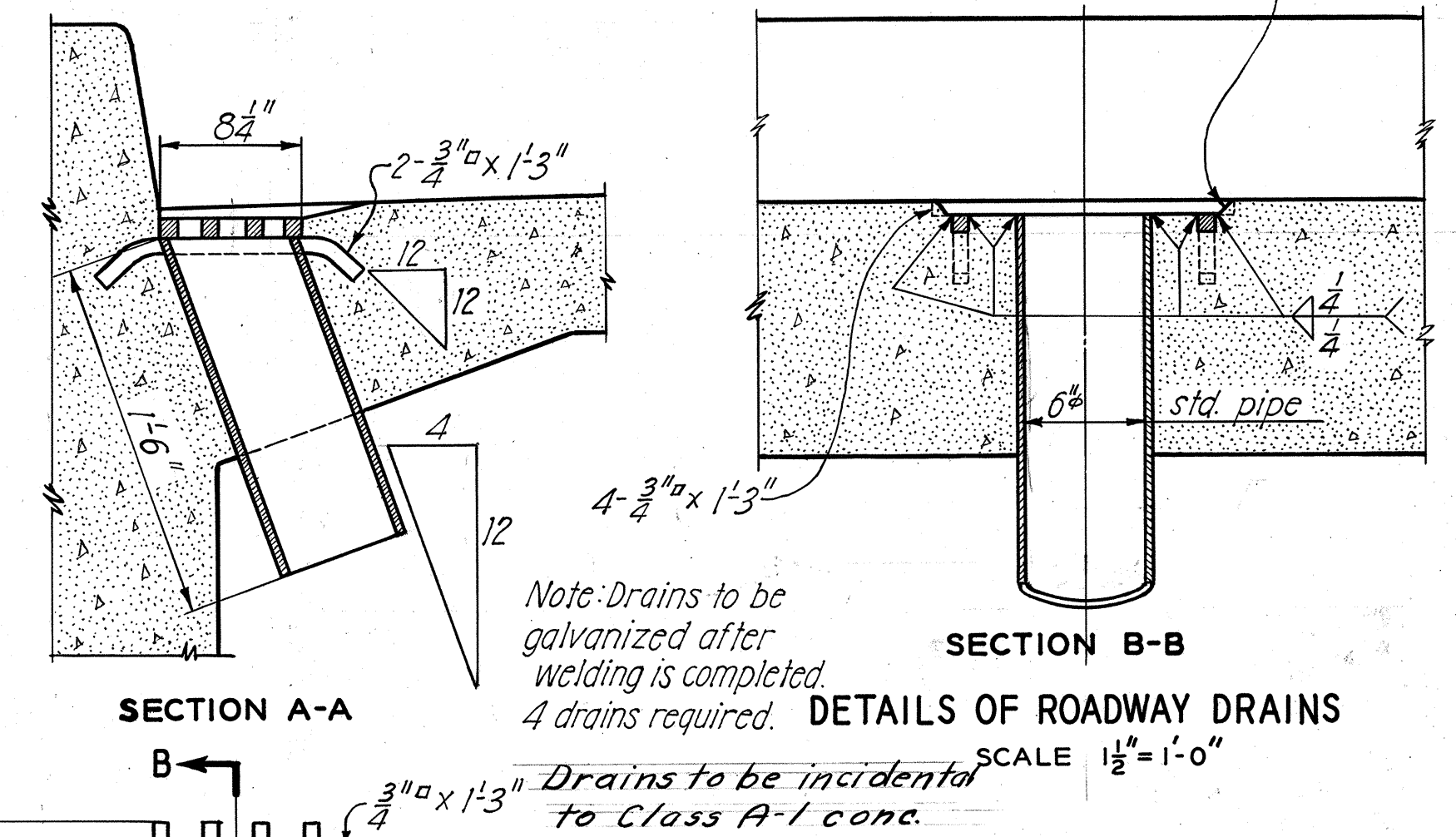
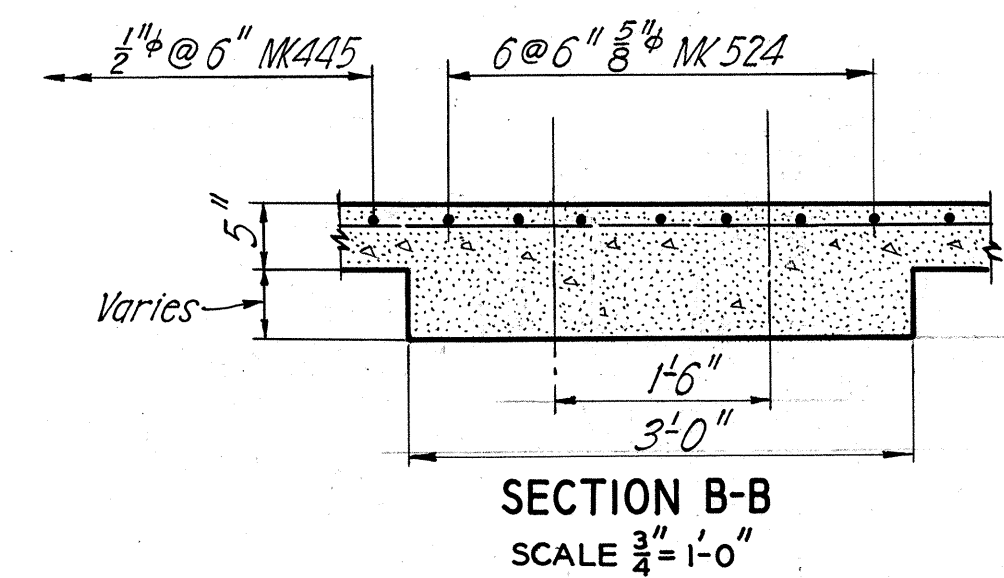
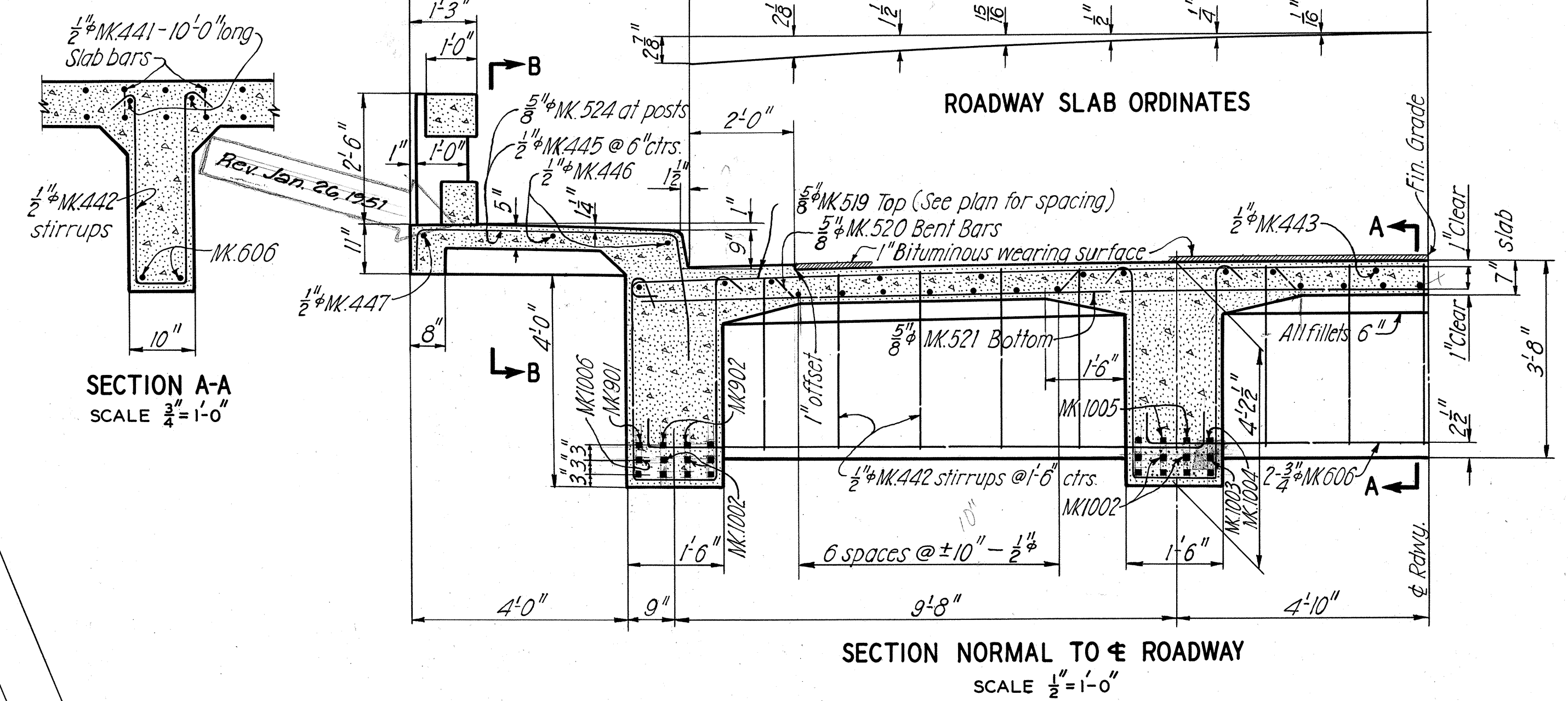
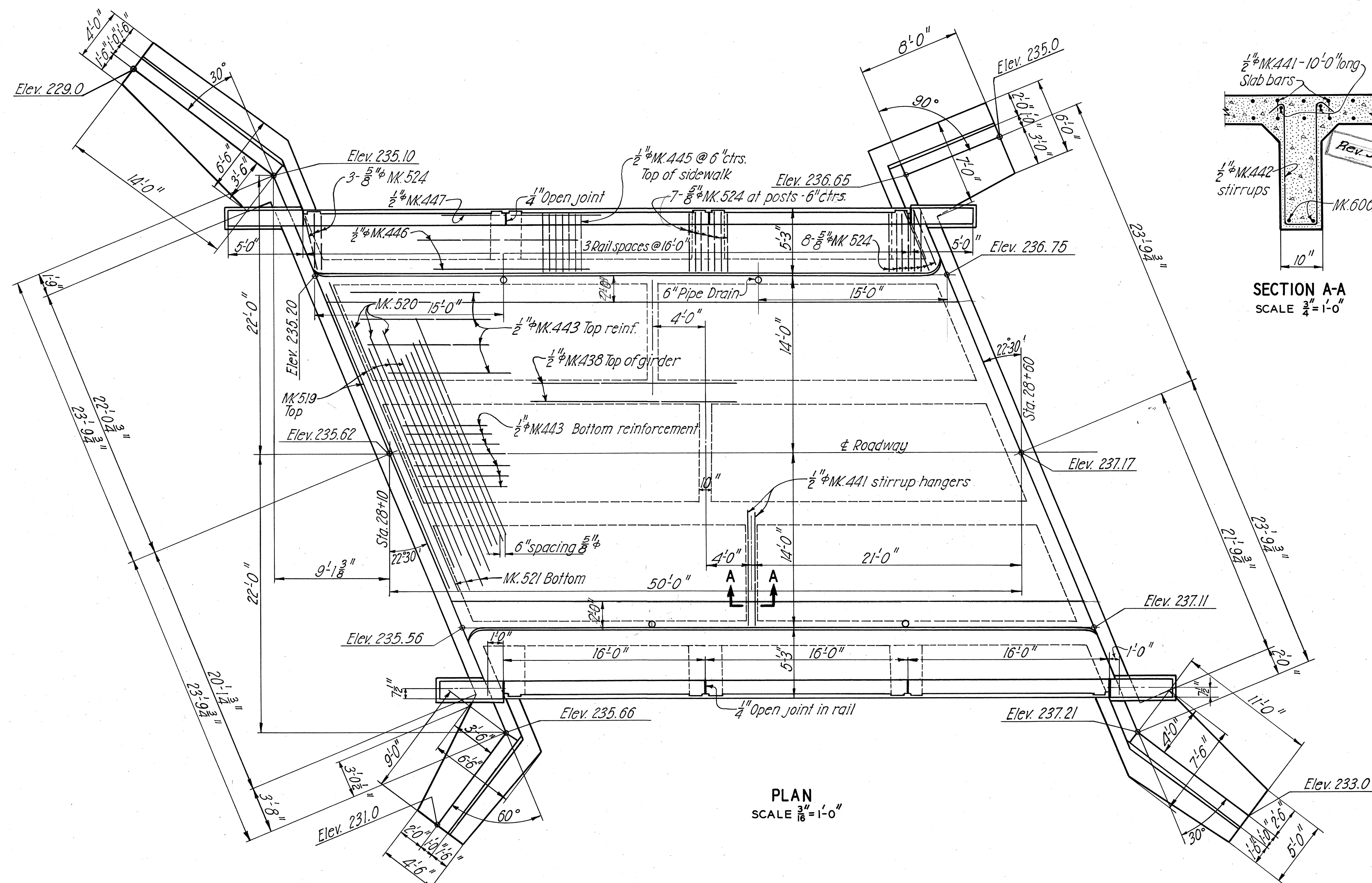
MANOLOA BRIDGE
Sta. 28+10 to 28+60

HAWAII BELT ROAD **SDR 3(15)**

AUG. 1949

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AIS PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	SDR3(15)	1250	16	30



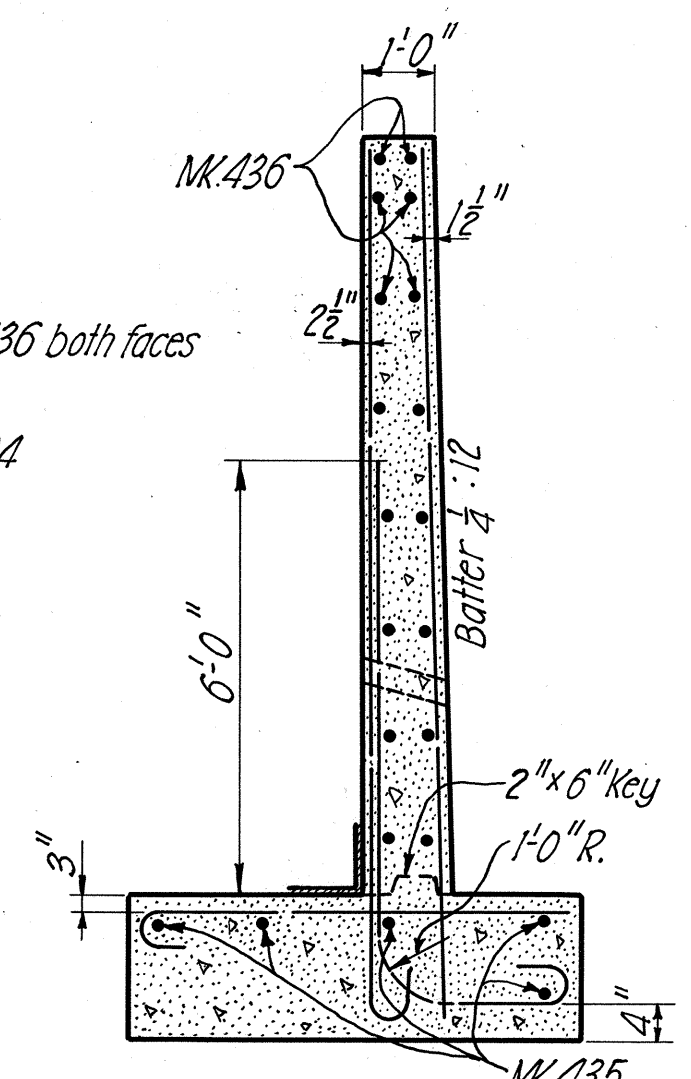
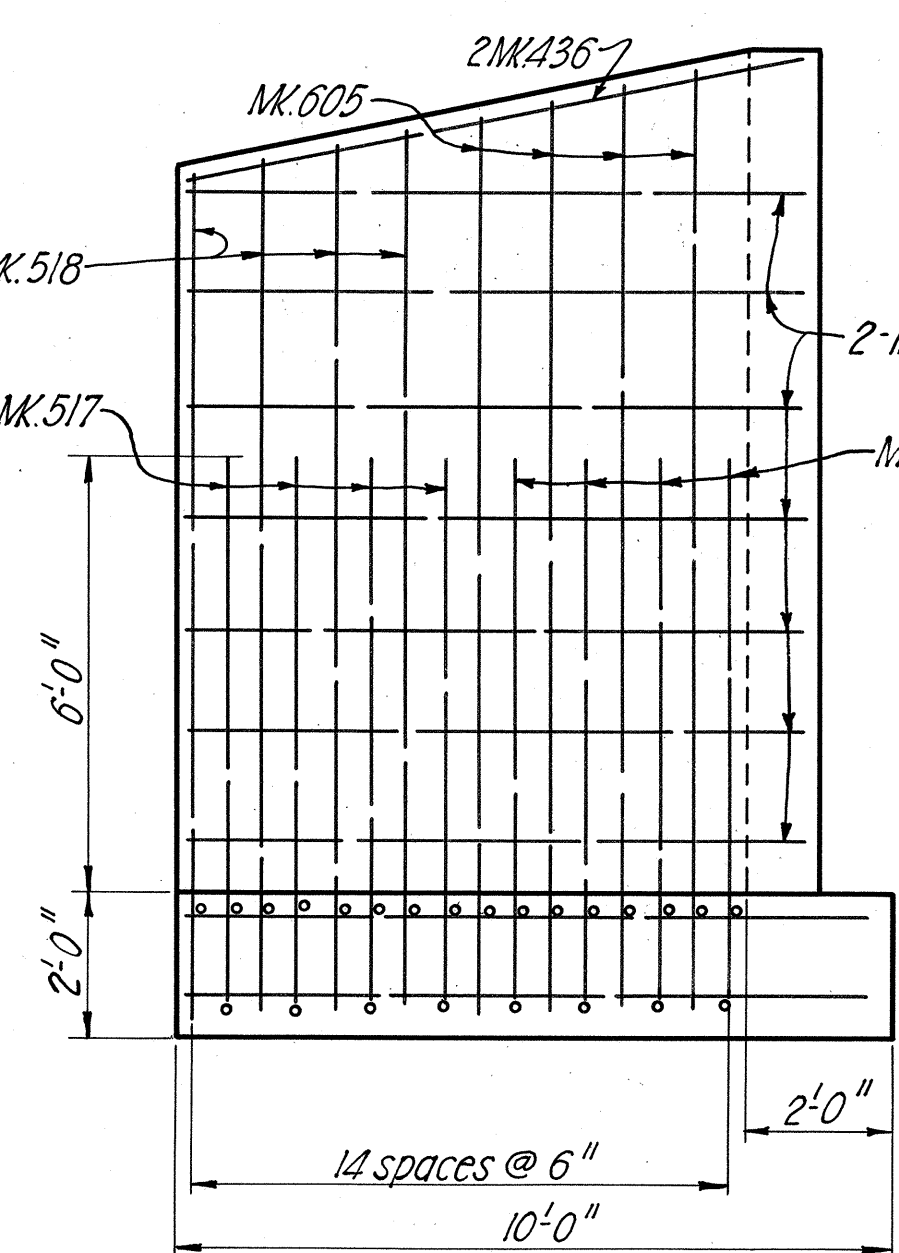
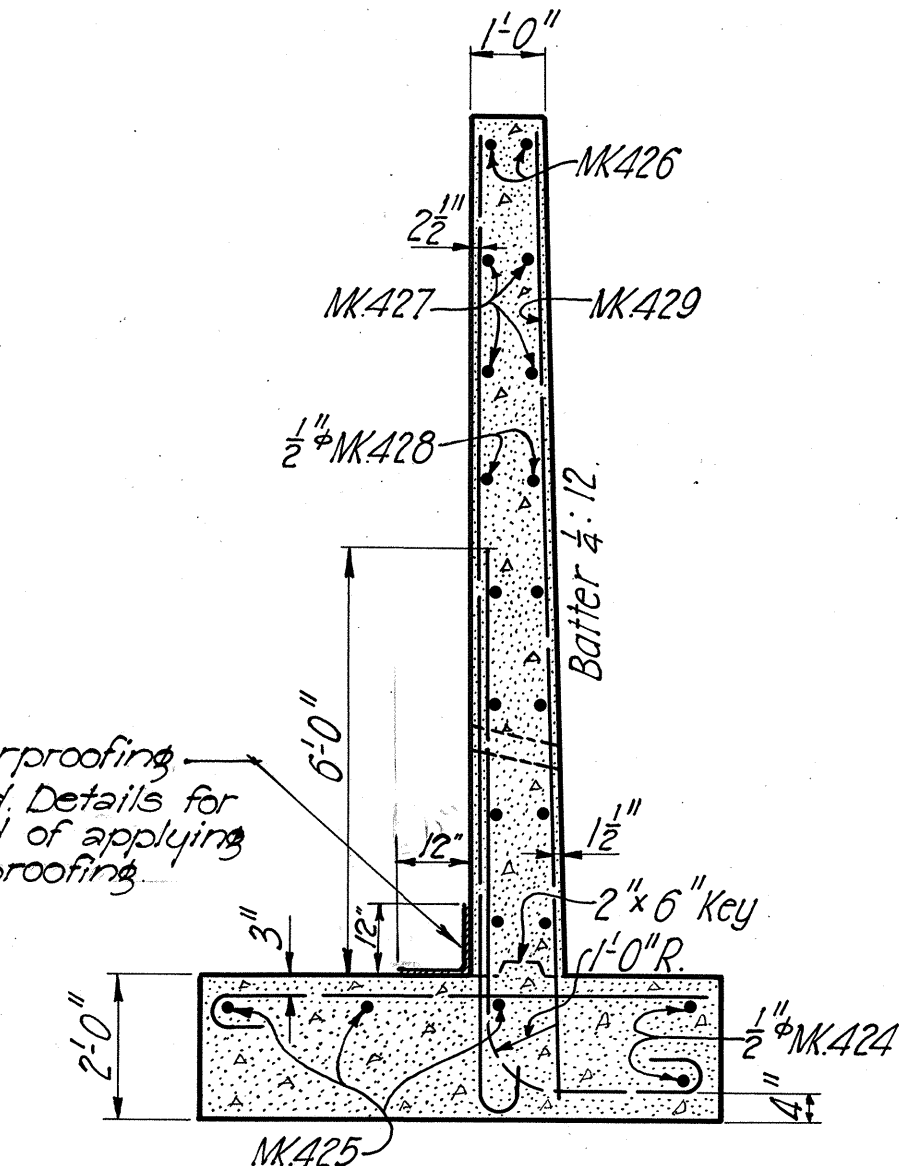
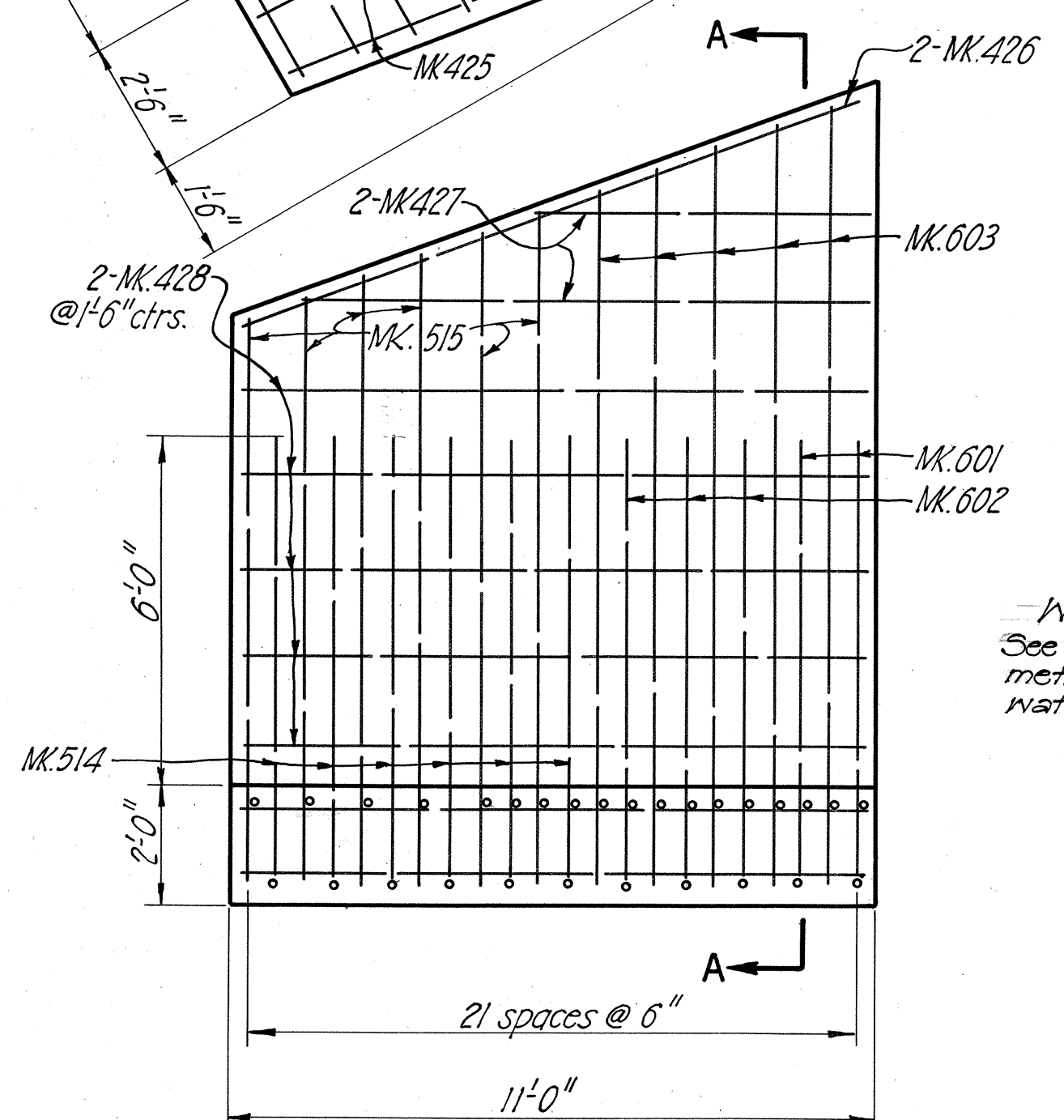
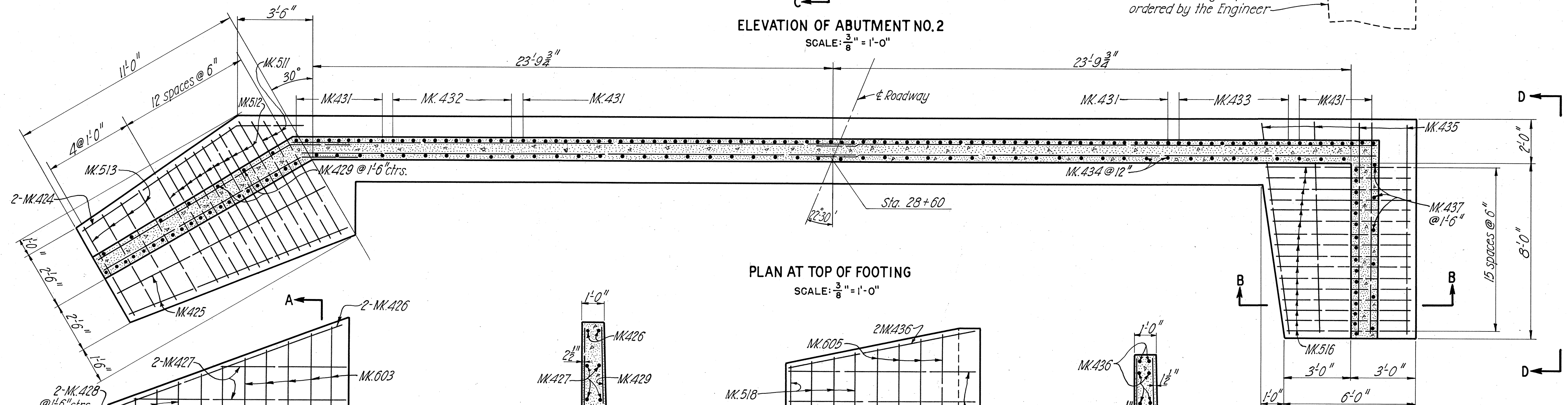
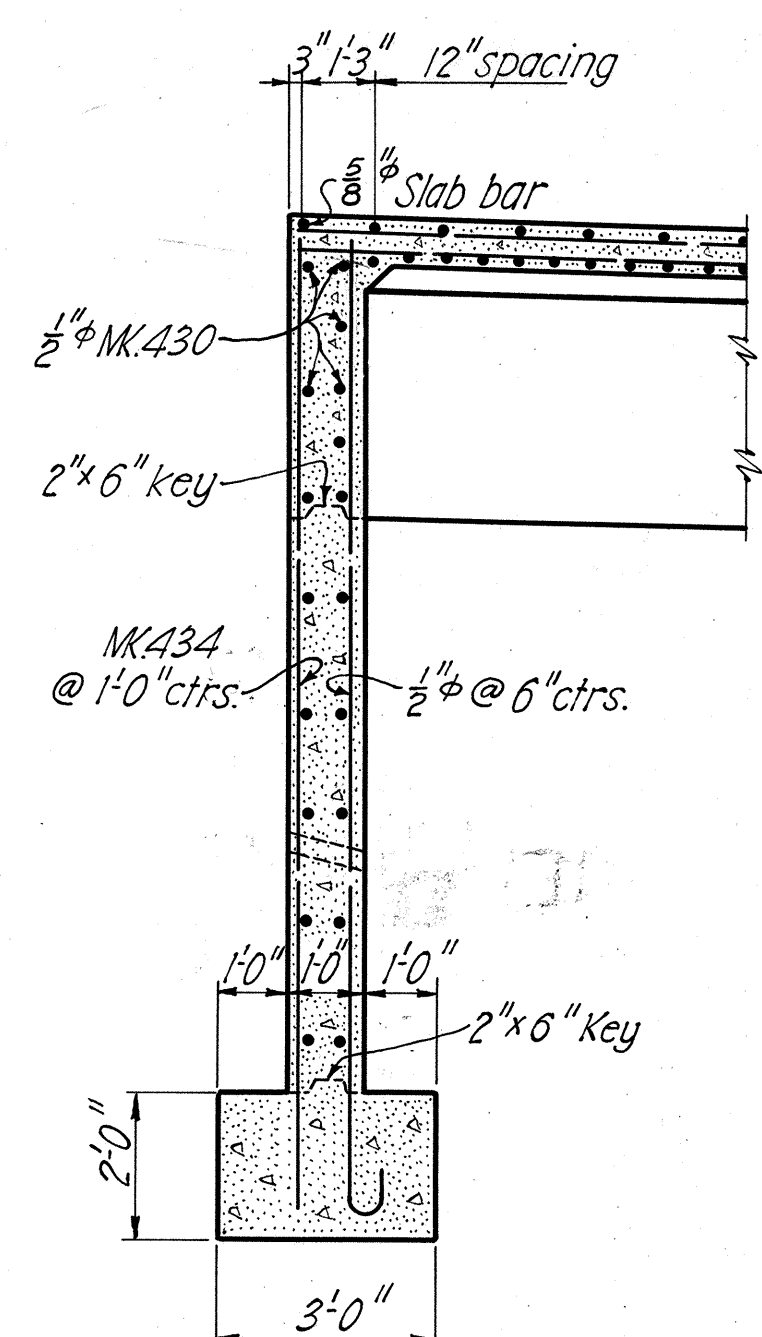
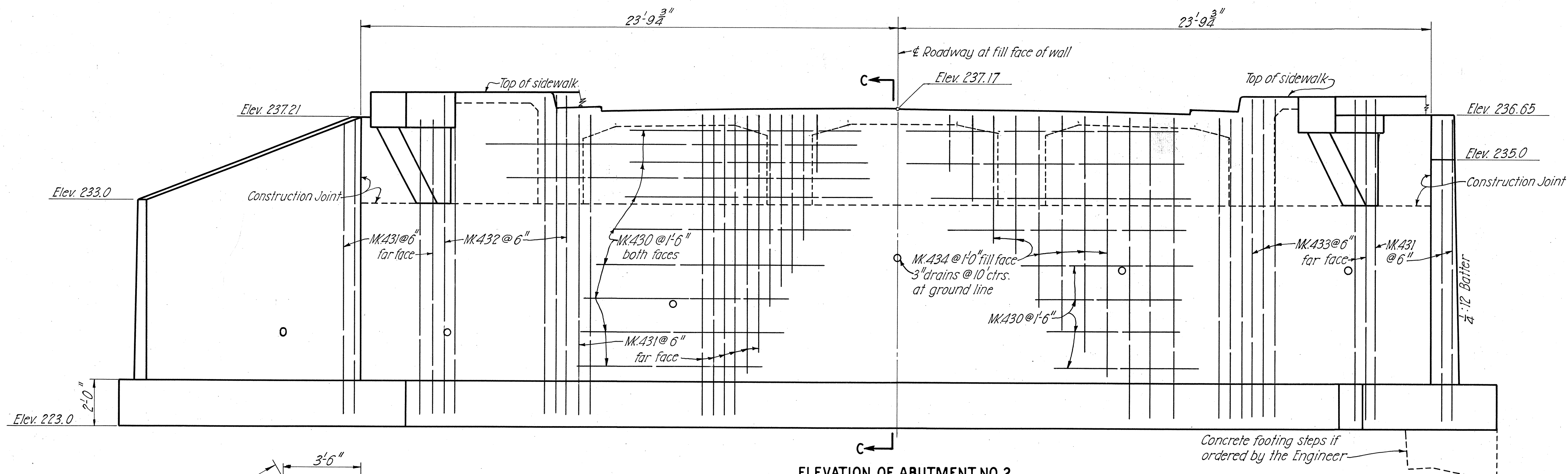
PLANS MADE BY
BUREAU OF PUBLIC ROADS
U. S. DEPARTMENT OF COMMERCE
WESTERN HEADQUARTERS - SAN FRANCISCO, CALIFORNIA
DESIGNED BY Calv. - DATE 1/29 TRACED BY CKM DATE 3/49
DRAWN BY Calv. - " 1/49 - CHECKED BY M.B. - " 2/49

TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 MANOLOA BRIDGE
 Sta 28+10 to 28+60
 HAWAII BELT ROAD SDR 3(15)
 AUG 1949
 SHEET No. 2 OF 4 SHEETS

SHEET No 2 OF 4 SHEETS

5410.16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	SDR 305	1950	17	39

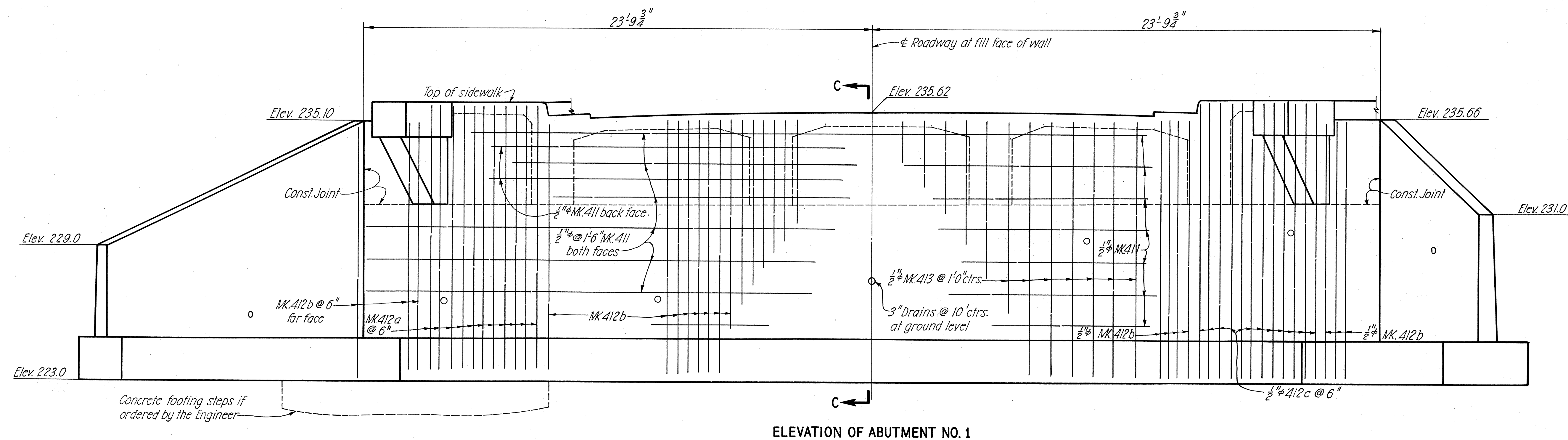


TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
MANOLOA BRIDGE
 Sta. 28+10 to 28+60
 HAWAII BELT ROAD SDR 31/51
 AUG 1949
 SHEET NO. 3 OF 4 SHEETS

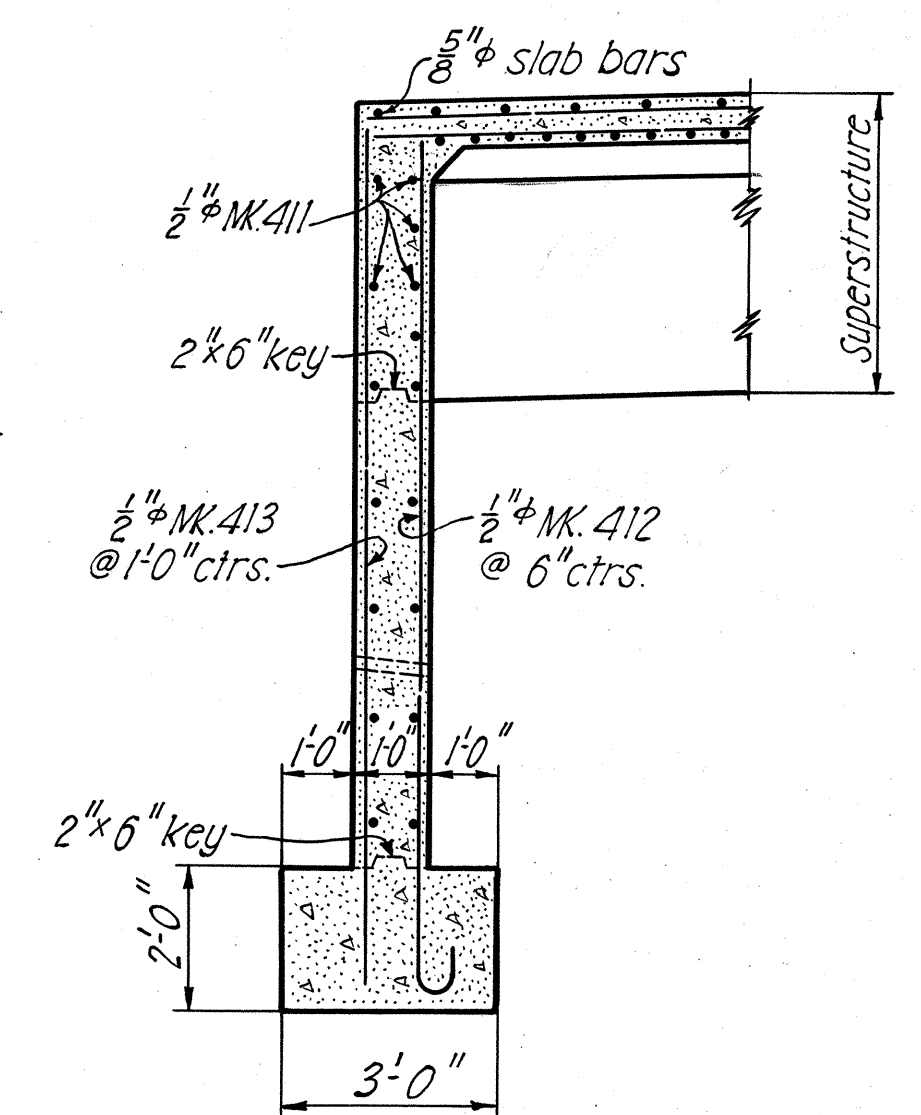
PLANS MADE BY
 BUREAU OF PUBLIC ROADS
 U. S. DEPARTMENT OF COMMERCE
 WESTERN HEADQUARTERS
 SAN FRANCISCO, CALIFORNIA
 DESIGNED BY *W. L. L.* DATE *7/22* TRACED BY *B. P. P.* DATE *1/4/49*
 DRAWN BY *W. L. L.* " *1/4/49* CHECKED BY *M. B.* " *8/4/49*

5410.17

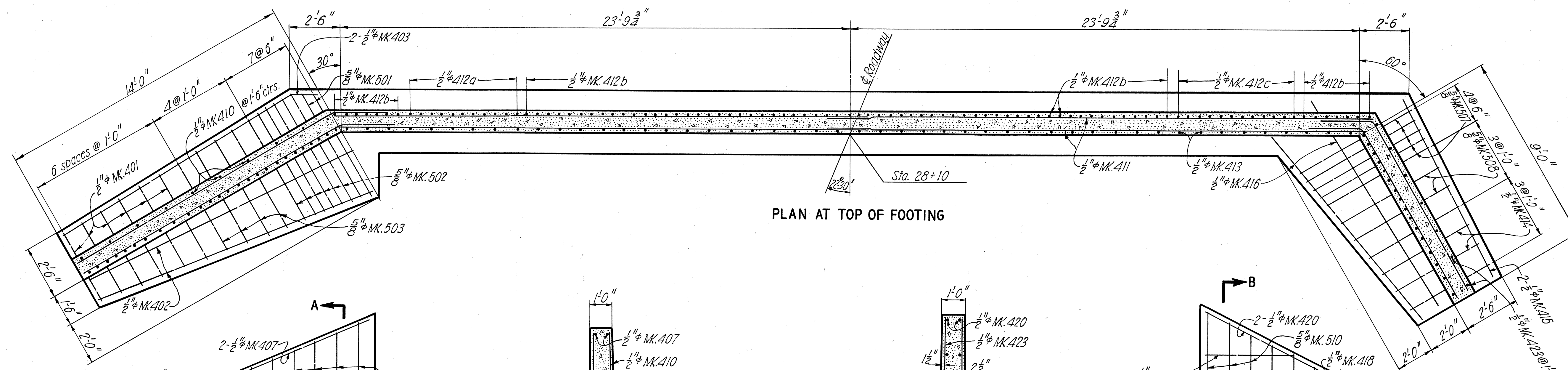
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HAWAII	HAW	SDR315	1950	18	39



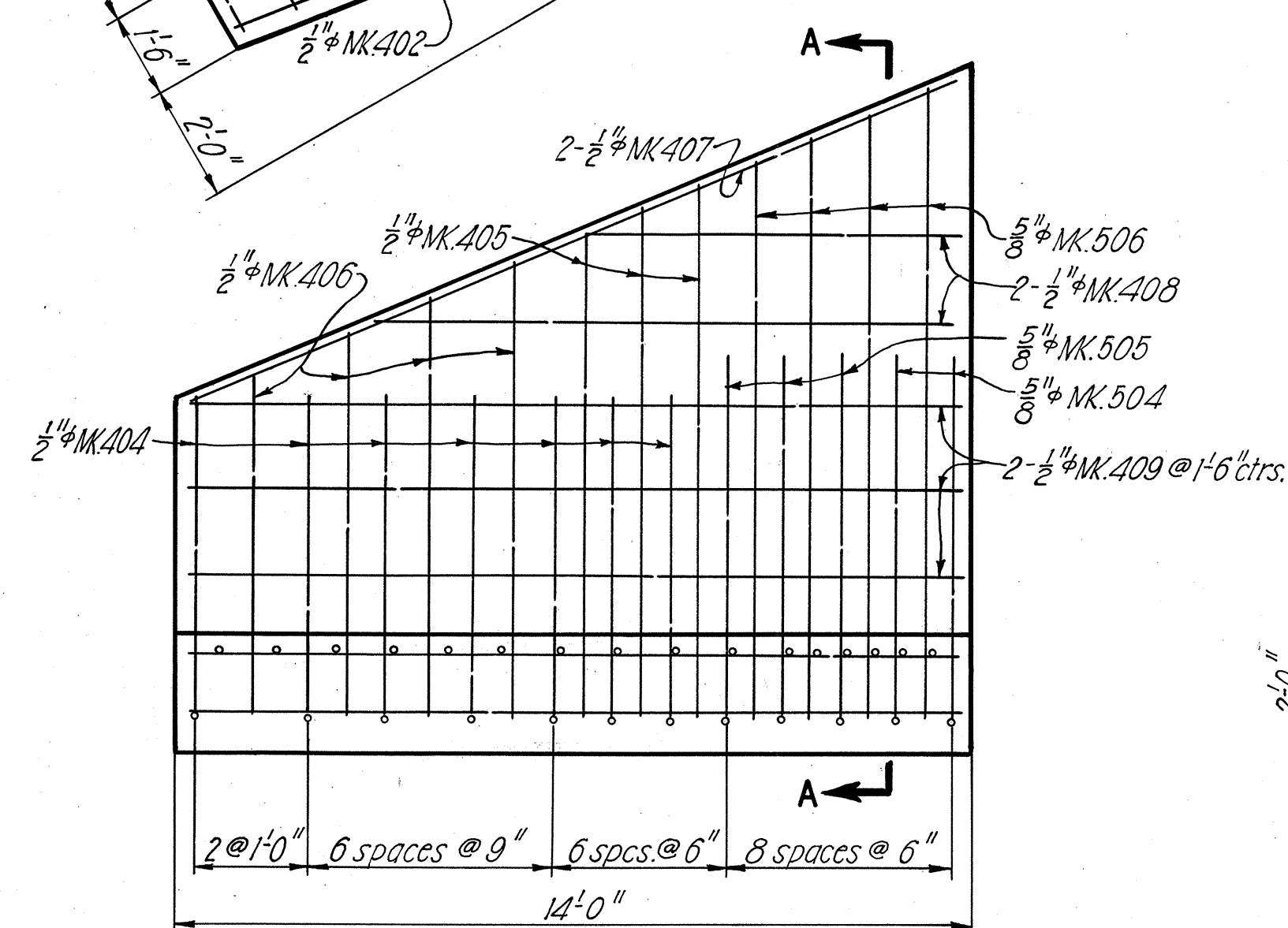
ELEVATION OF ABUTMENT NO. 1



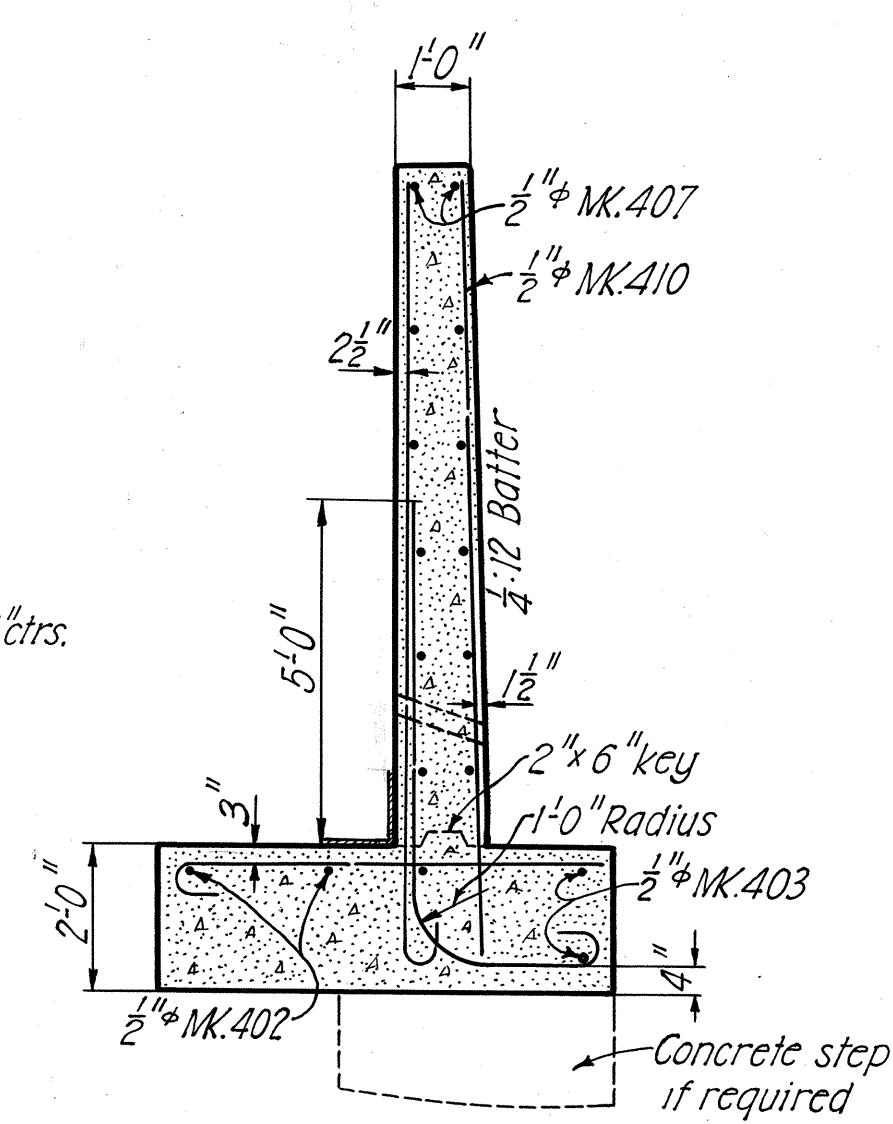
SECTION C-C



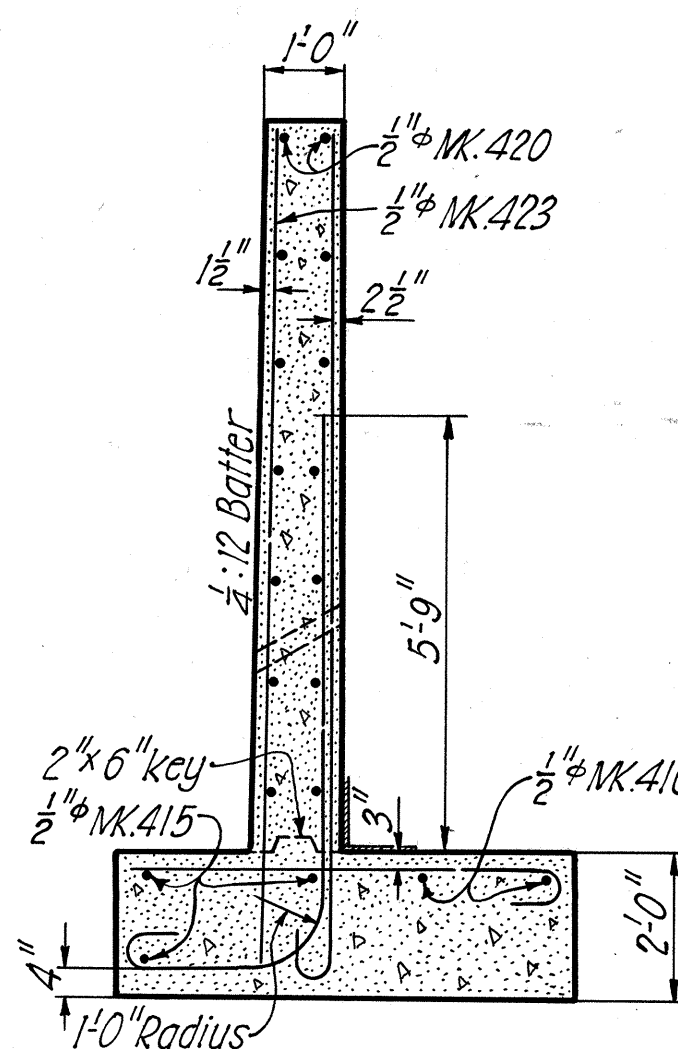
PLAN AT TOP OF FOOTING



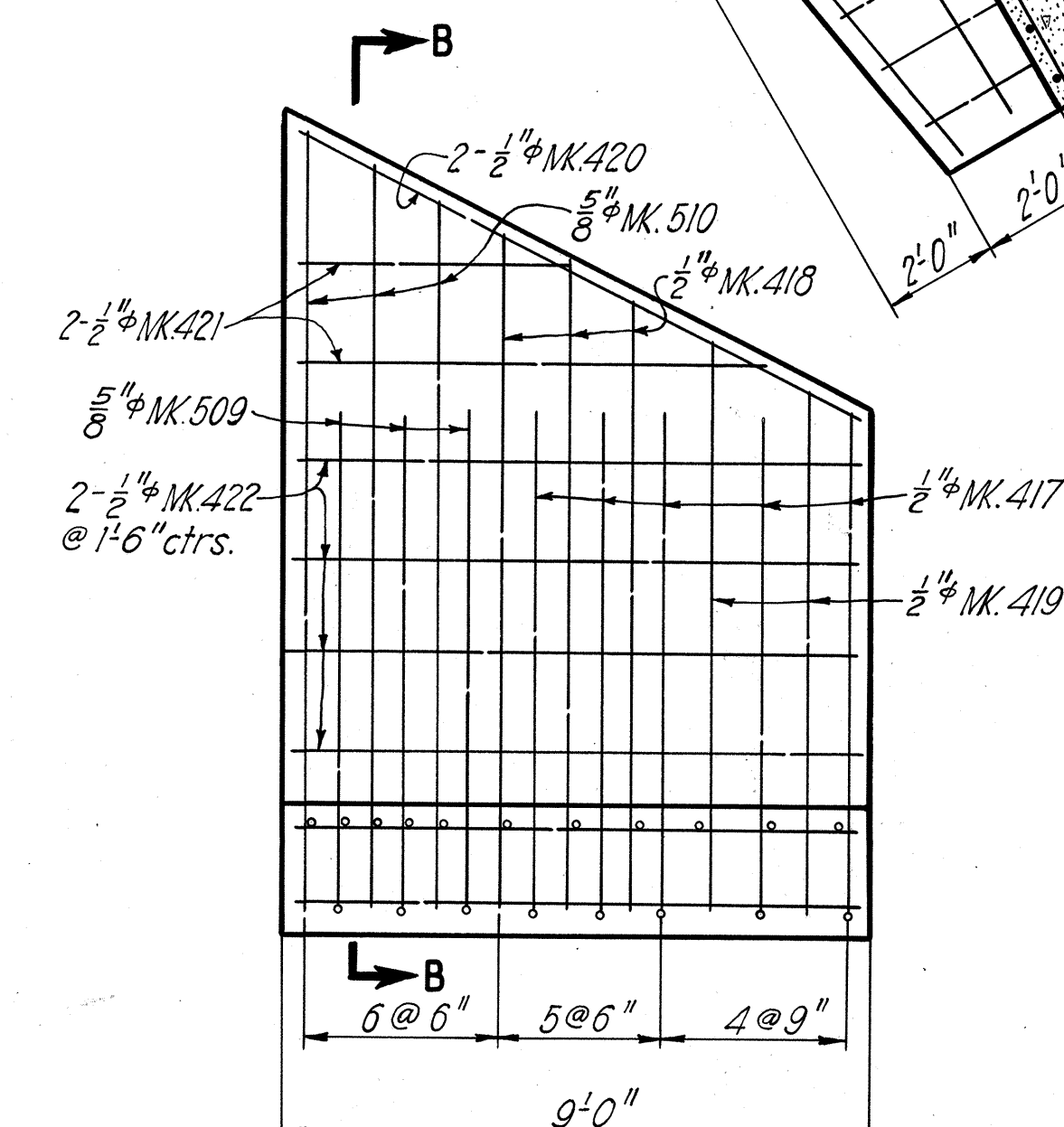
WING ELEVATION
SHOWING REINFORCEMENT IN FILL FACE



SECTION A-A



SECTION B-B



WING ELEVATION
SHOWING REINFORCEMENT IN FILL FACE

DETAILS OF ABUTMENT NO. 1

SCALE $\frac{3}{8}'' = 1'-0''$

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

MANOLOA BRIDGE
Sta. 28+10 to 28+60

HAWAII BELT ROAD

SDR 3(15)

AUG 1949

SHEET No 4 OF 4 SHEETS

5410.18

PLANS MADE BY
BUREAU OF PUBLIC ROADS
U. S. DEPARTMENT OF COMMERCE
WESTERN HEADQUARTERS - SAN FRANCISCO, CALIFORNIA
DESIGNED BY Cal DATE 7/20 TRACED BY Cal DATE 9/14/49
DRAWN BY Cal " " 7/22 CHECKED BY N.B. " 8/4/49