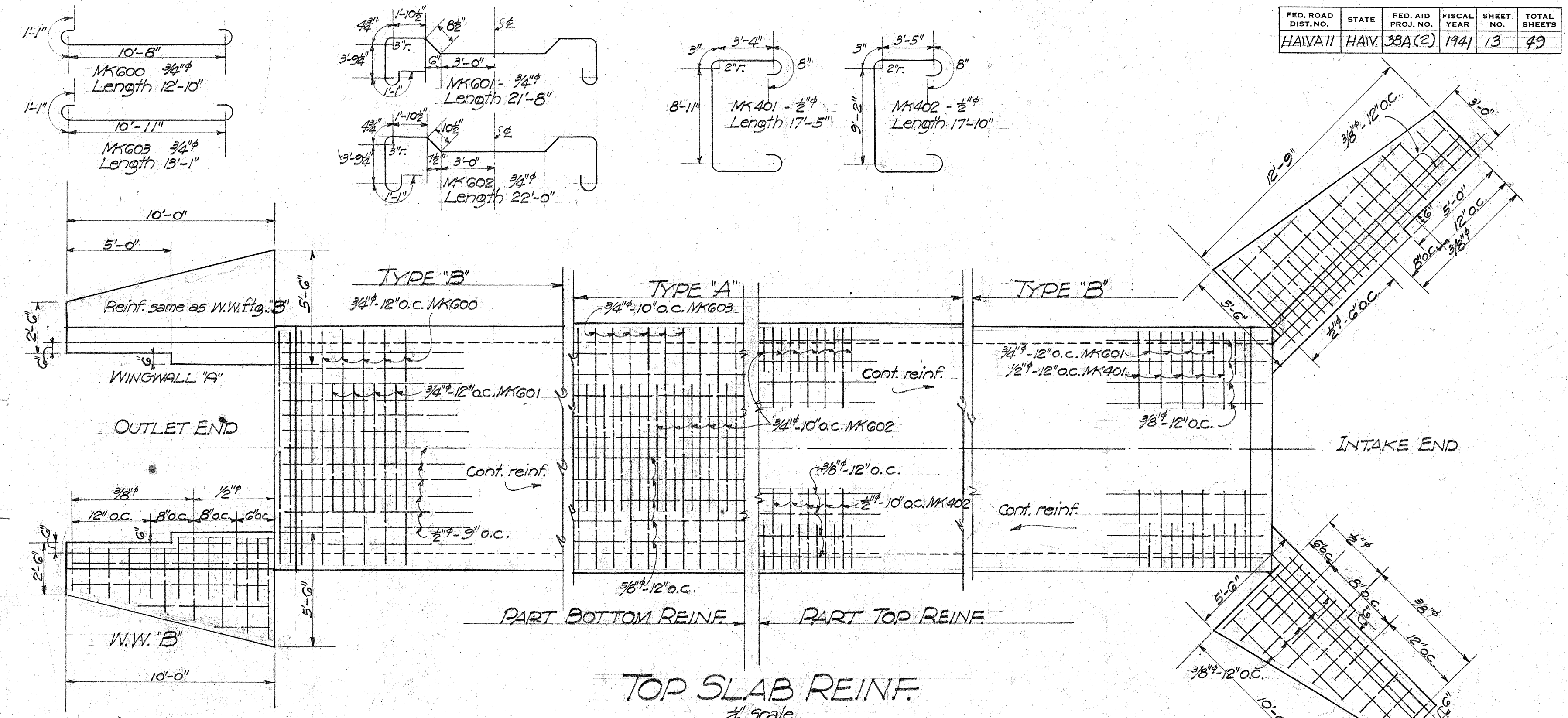
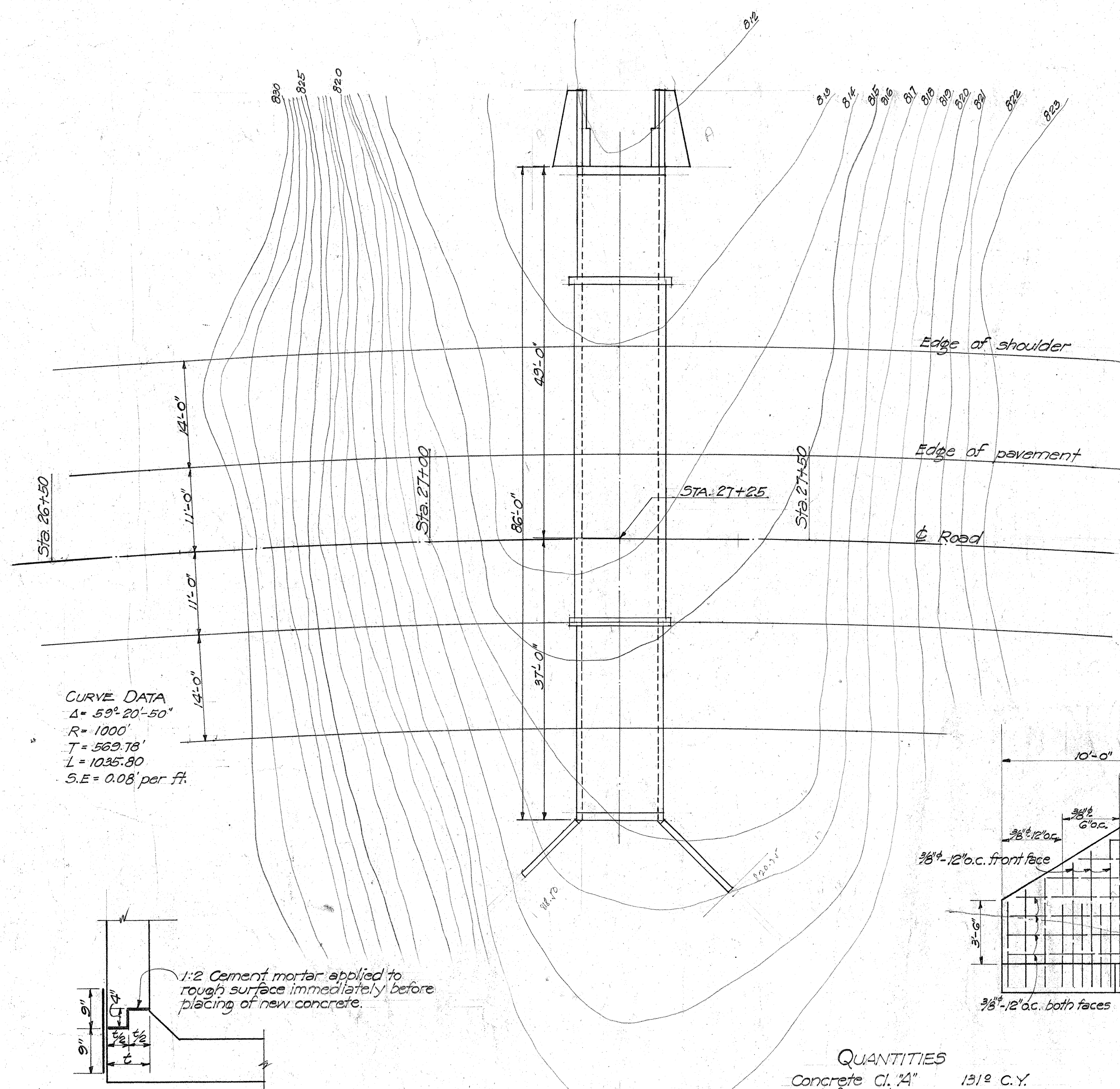


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HA111	HA11	38A(2)	1941	13	49



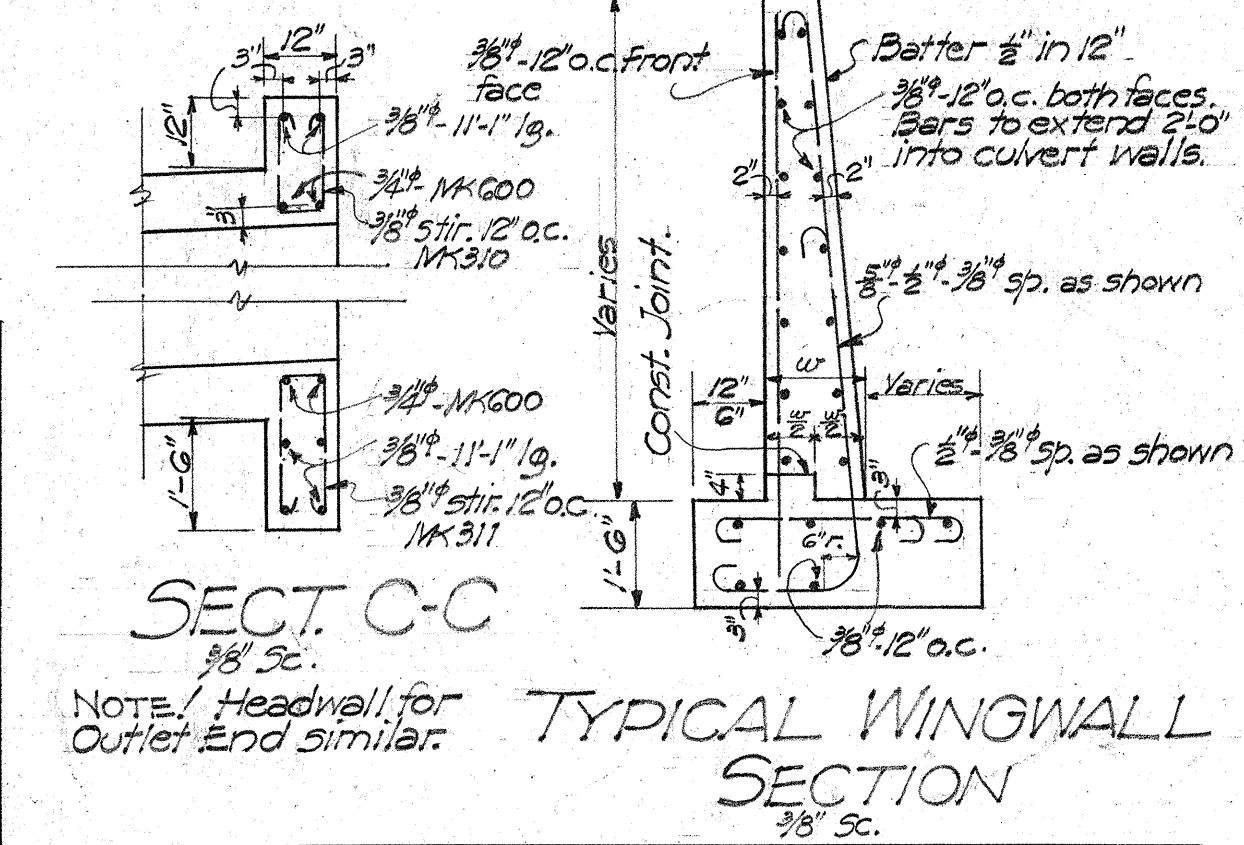
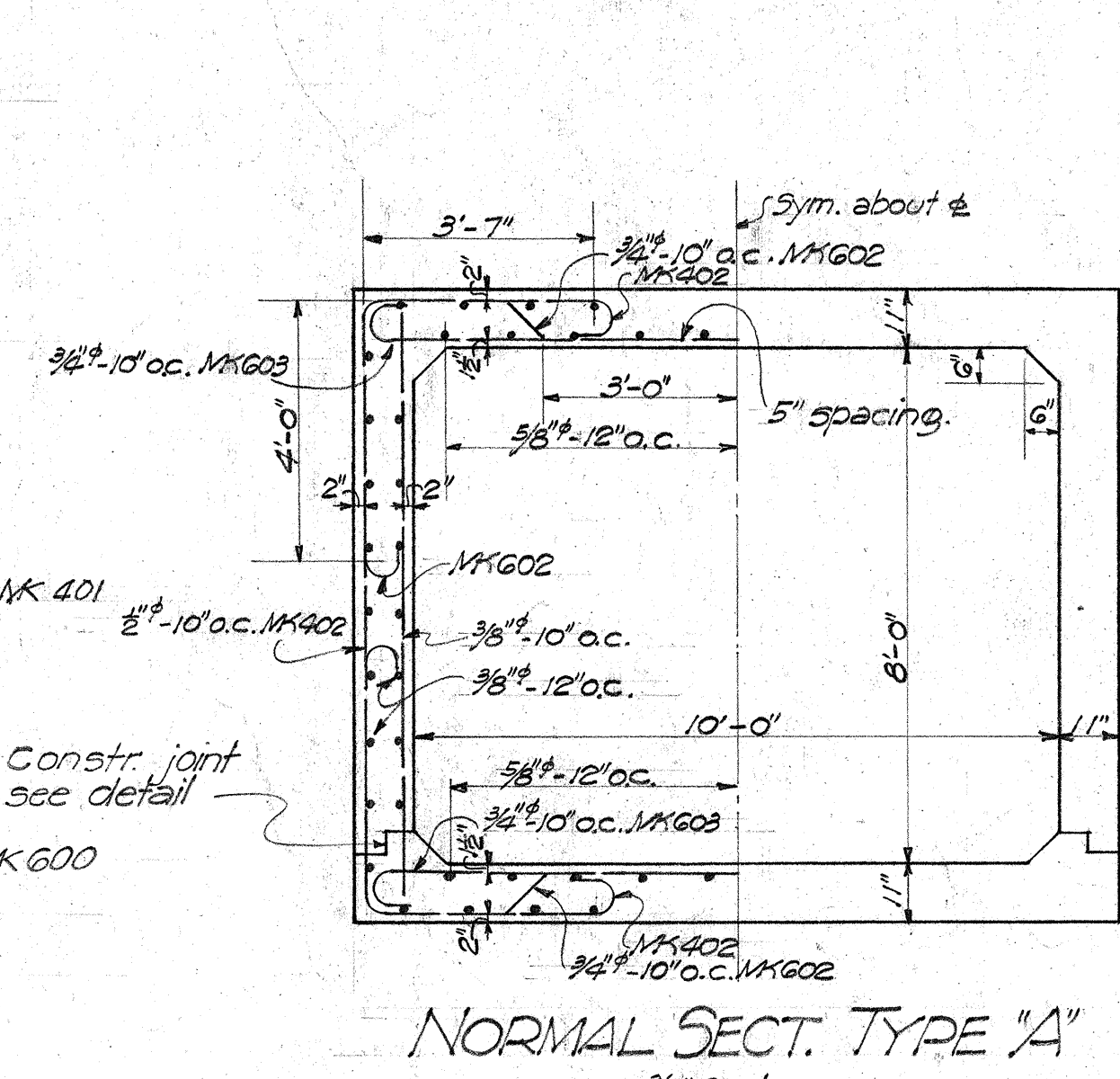
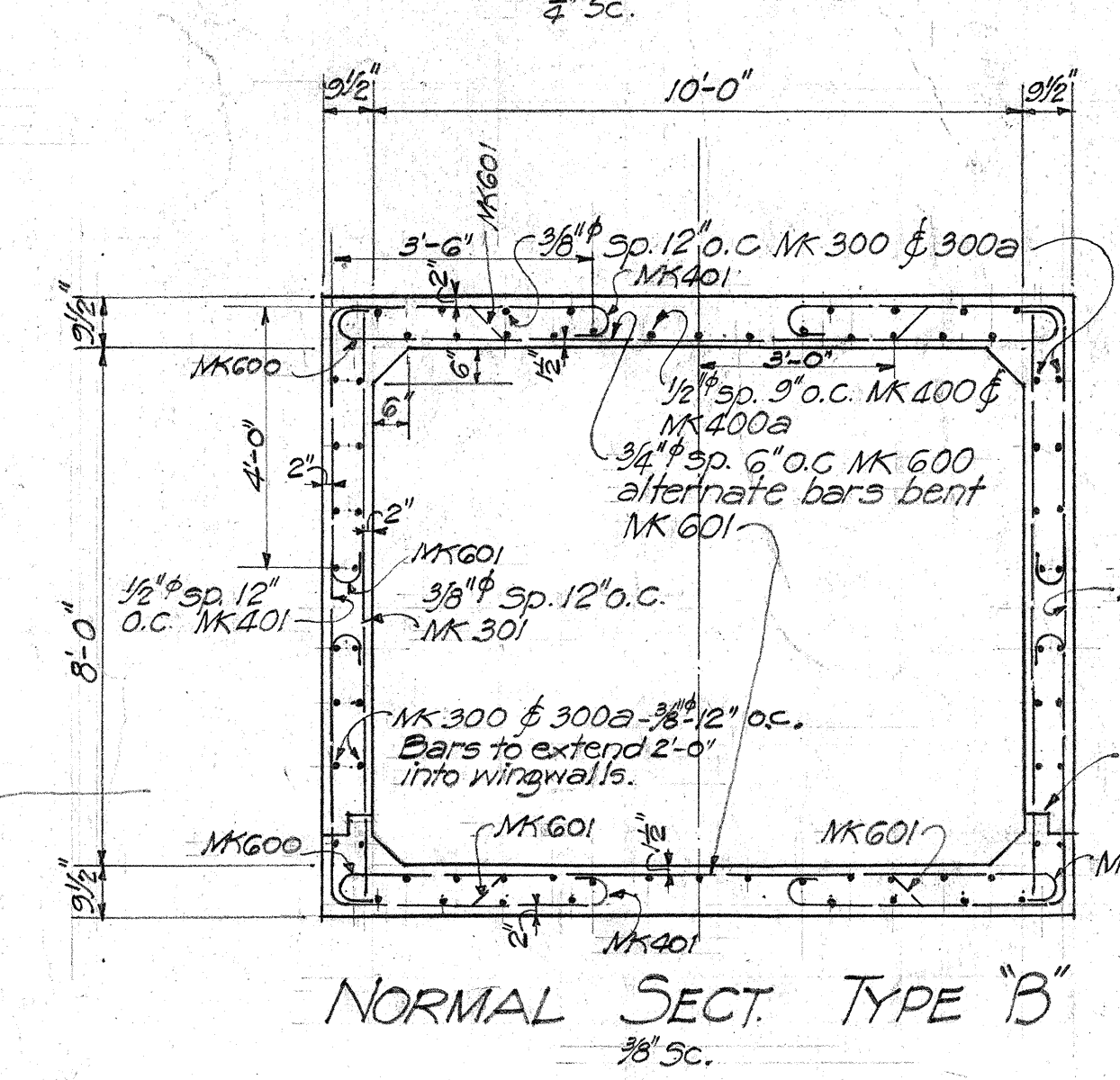
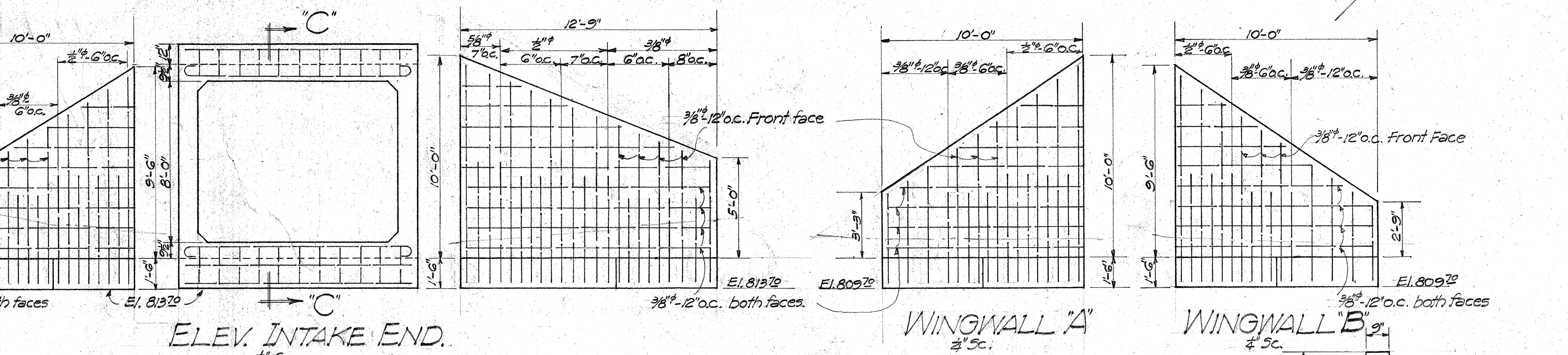
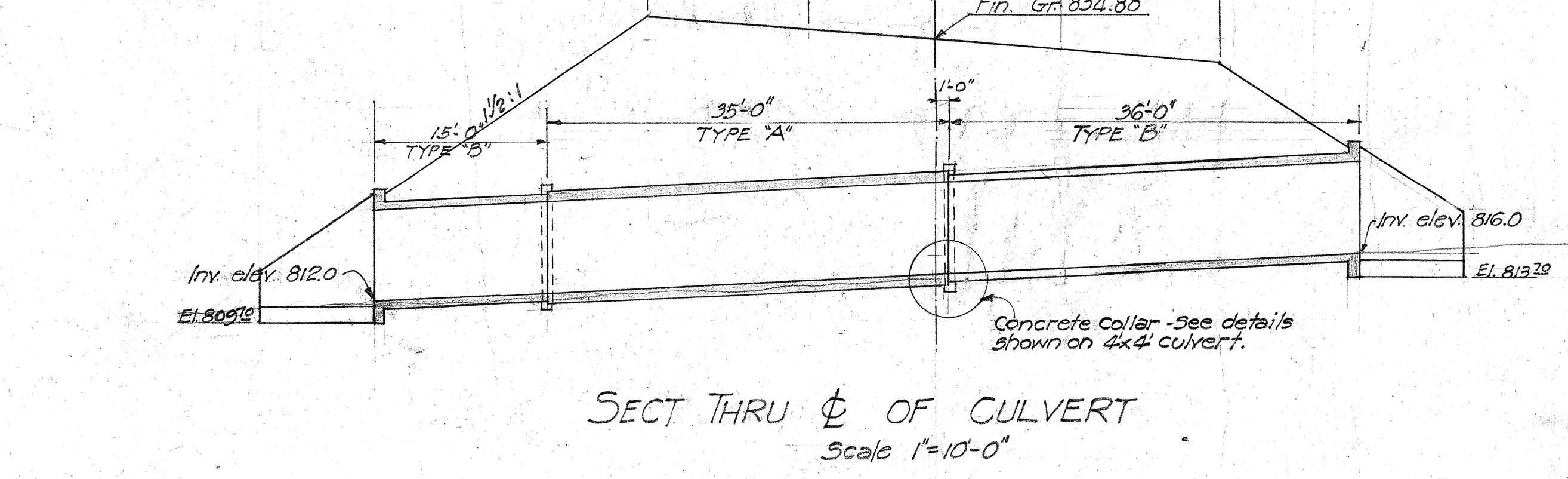
QUANTITIES

Concrete Cl. 14"	131 1/2 C.Y.
Reinf. Steel	10,570 Lbs.
Structural Excavation	76 C.Y.

CONST. JOINT DETAIL

METHOD OF APPLYING CONST. JOINT WATERPROOFING LAYOUT PLAN

1. Map surface 12" either side of joint with asphalt 85-100 penetration applied at 200°F.
2. Apply one layer of 2 ply roofing paper, applying 9" either side of joint to hot asphalt.
3. Map entire surface with a thick coat of hot asphalt.

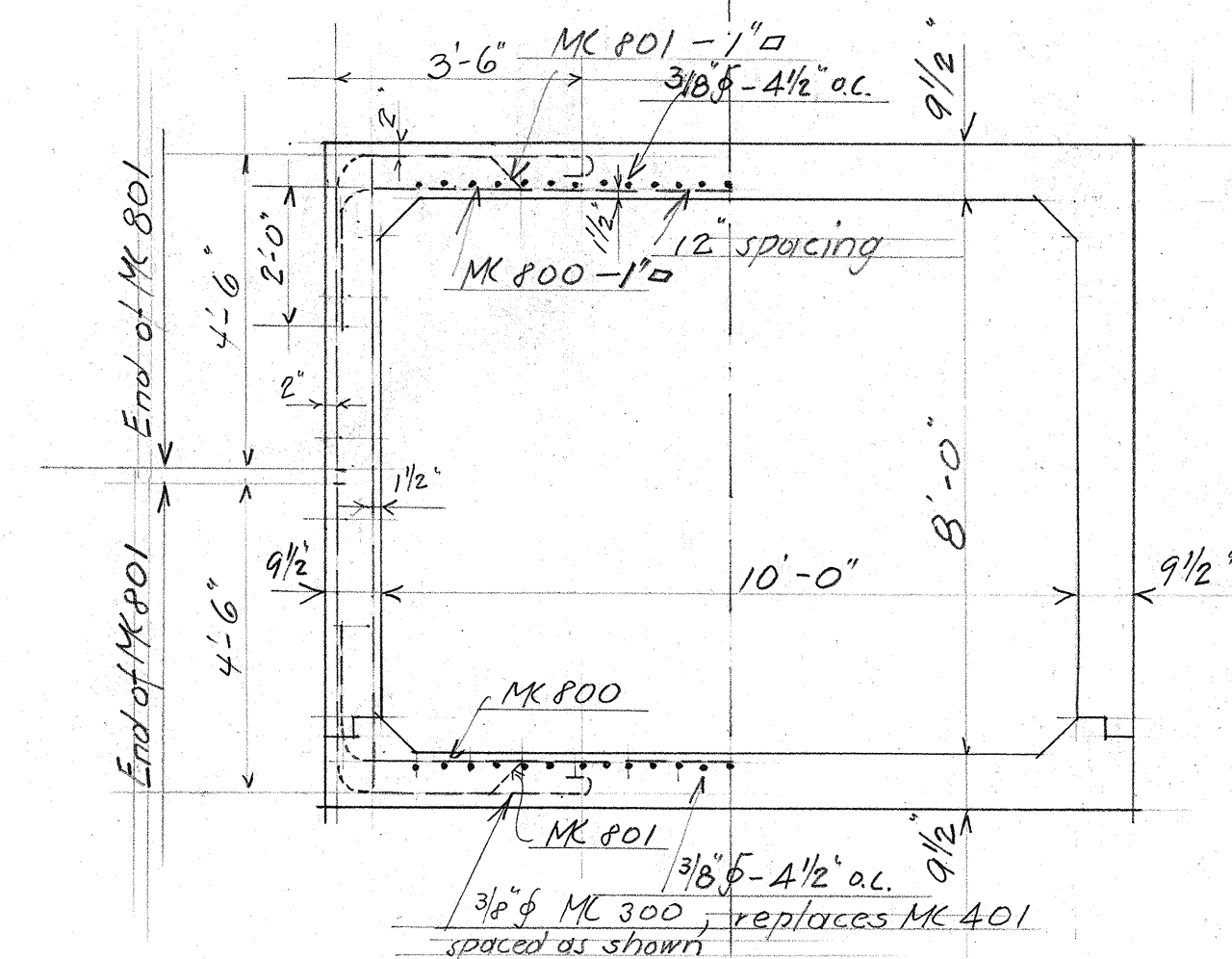
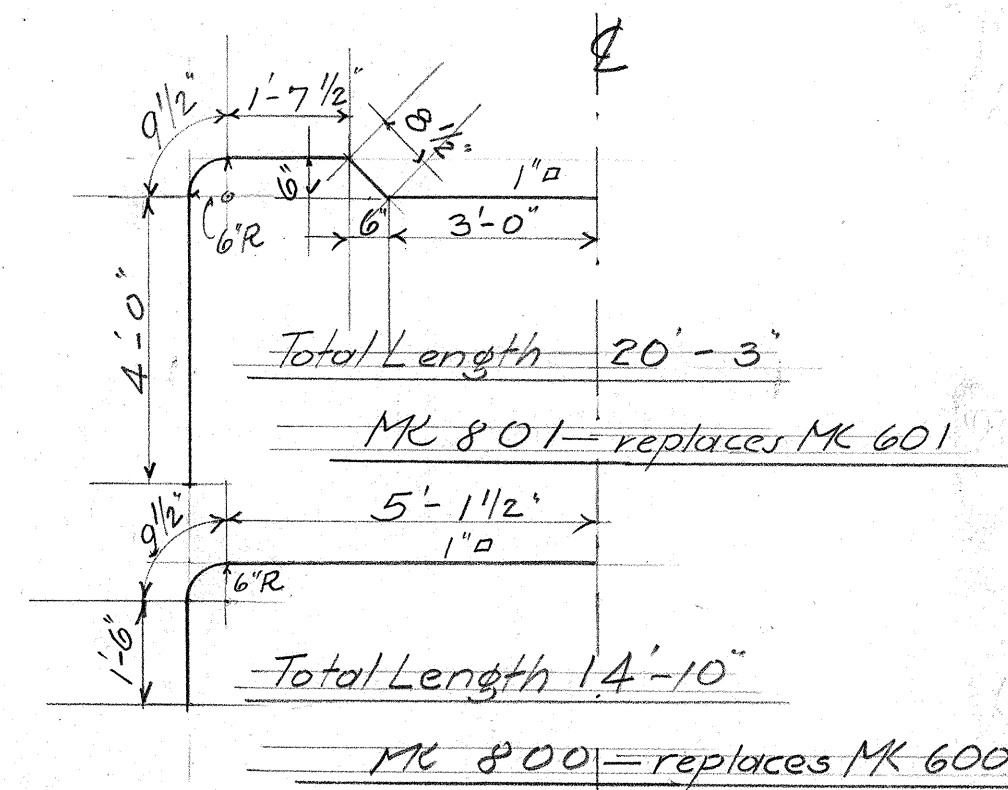


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
10'x8' CONC. CULVERT
Sta. 27+25
SCHOFIELD - WAHIKAWA CUTOFF F.A.P. 38A
JAN. 1941
SHEET 13 OF 13 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	

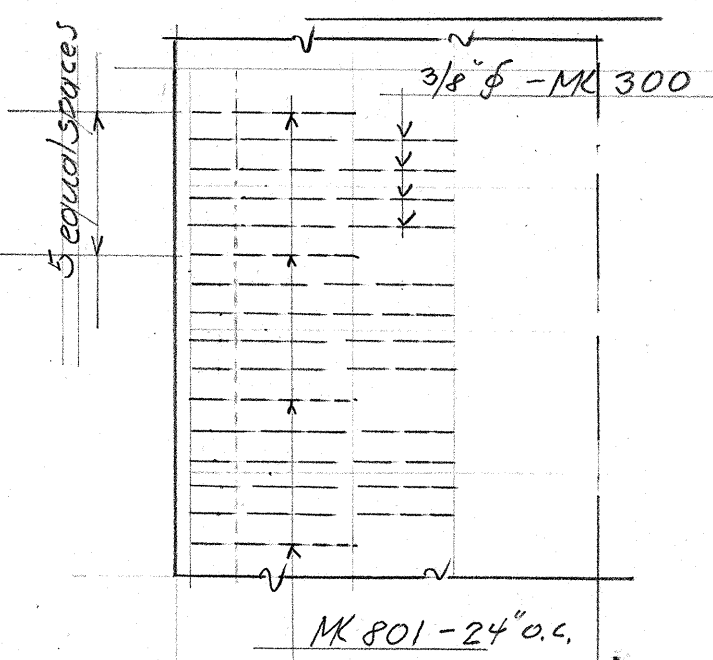
5072.13

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS



TYPE B

3/8" = 1'-0"



PLAN

showing top reinforcing

ELEVATION

showing outside reinforcing

1" $\square$ substituted for 3/4" ϕ
3/8" ϕ " " 1/2" ϕ

ELEVATION

showing outside reinforcing
where 3/4" ϕ are available

3 equal spaces @ 4" = 12"

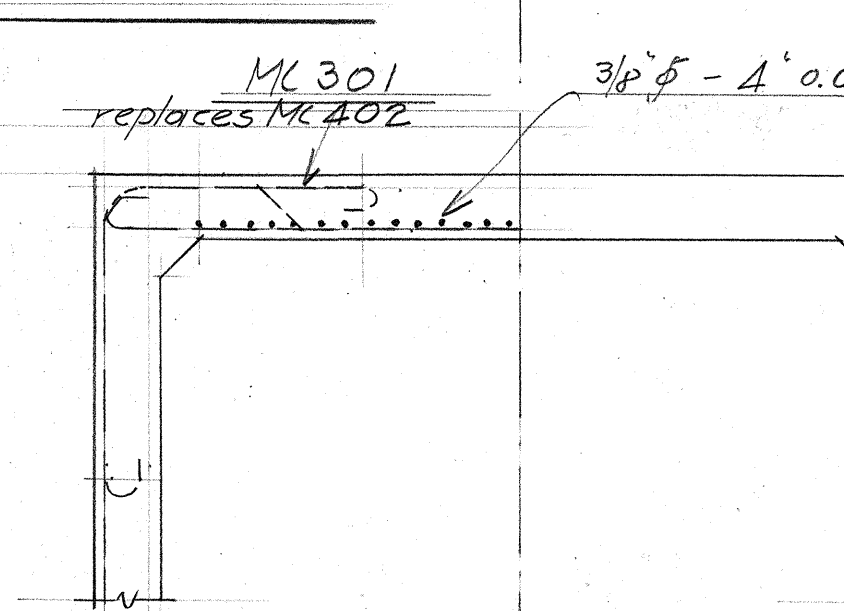
MK 601 - 12" o.c.

MK 300

ELEVATION TYPE B

showing outside reinforcing

3/8" = 1'-0"



TYPE B

NOTE: This sheet is supplementary to Sheet 5072.13 and shows how reinforcing bars not available in the marked are to be replaced by available bars. In Wing Walls replace 1/2" ϕ bars by 3/8" ϕ bars at one-half the spacing indicated for 1/2" ϕ bars.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

10'x8' CONC. CULV.
STA. 27+25

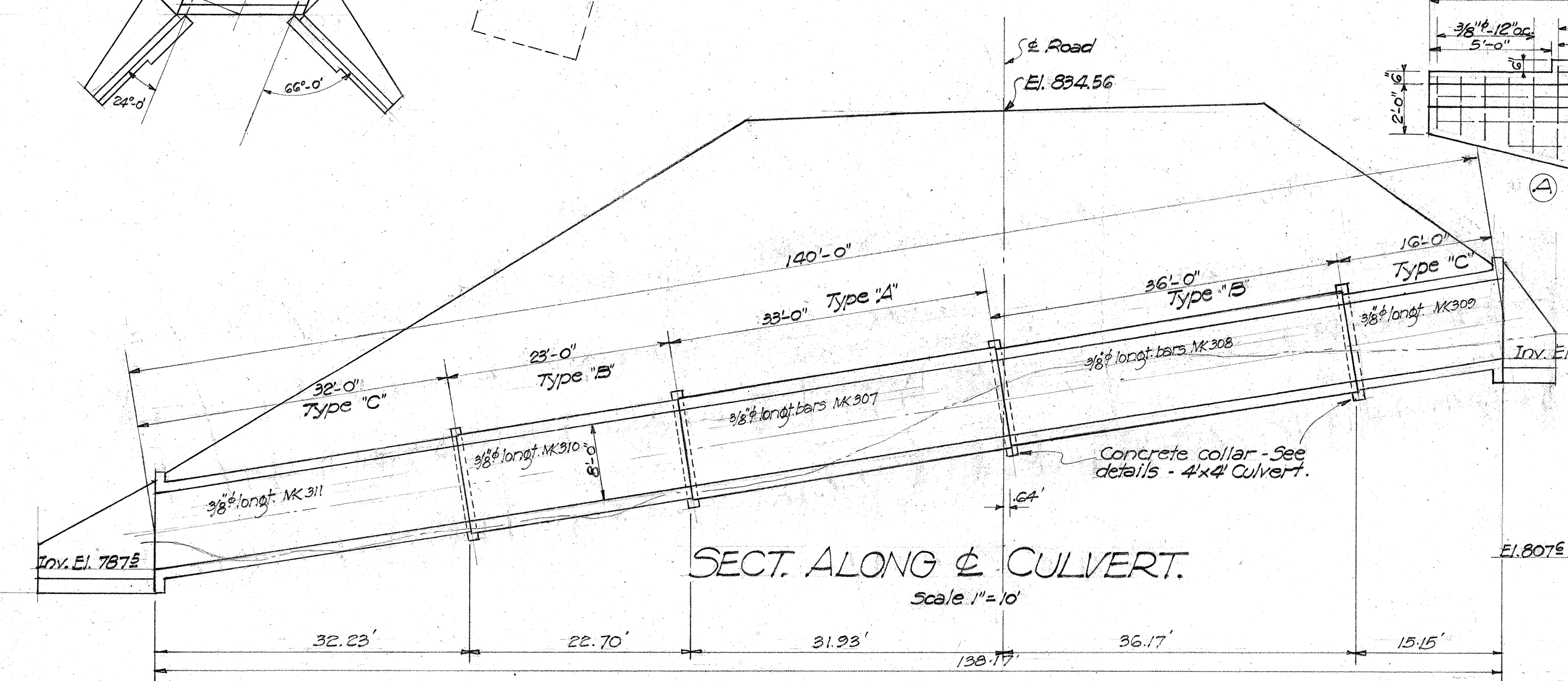
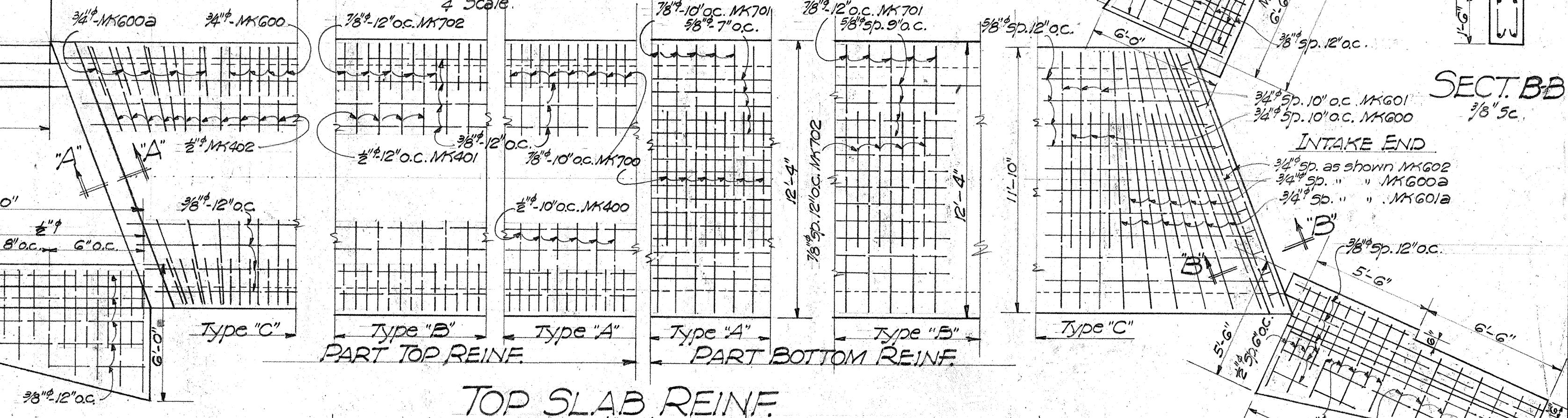
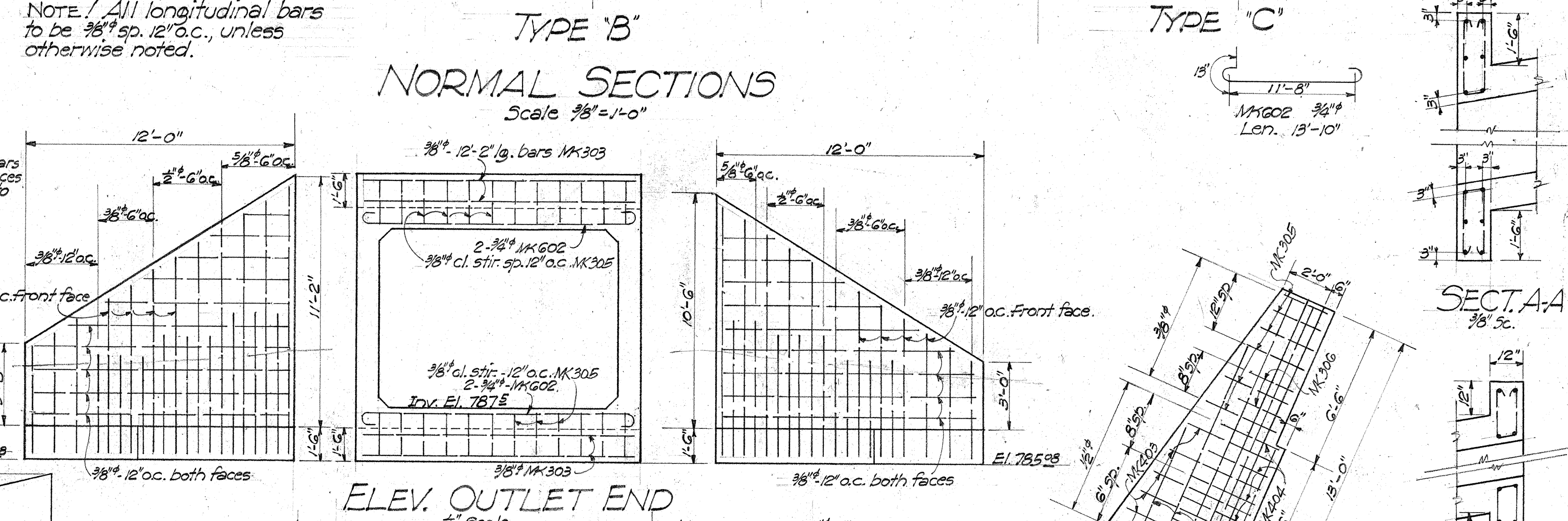
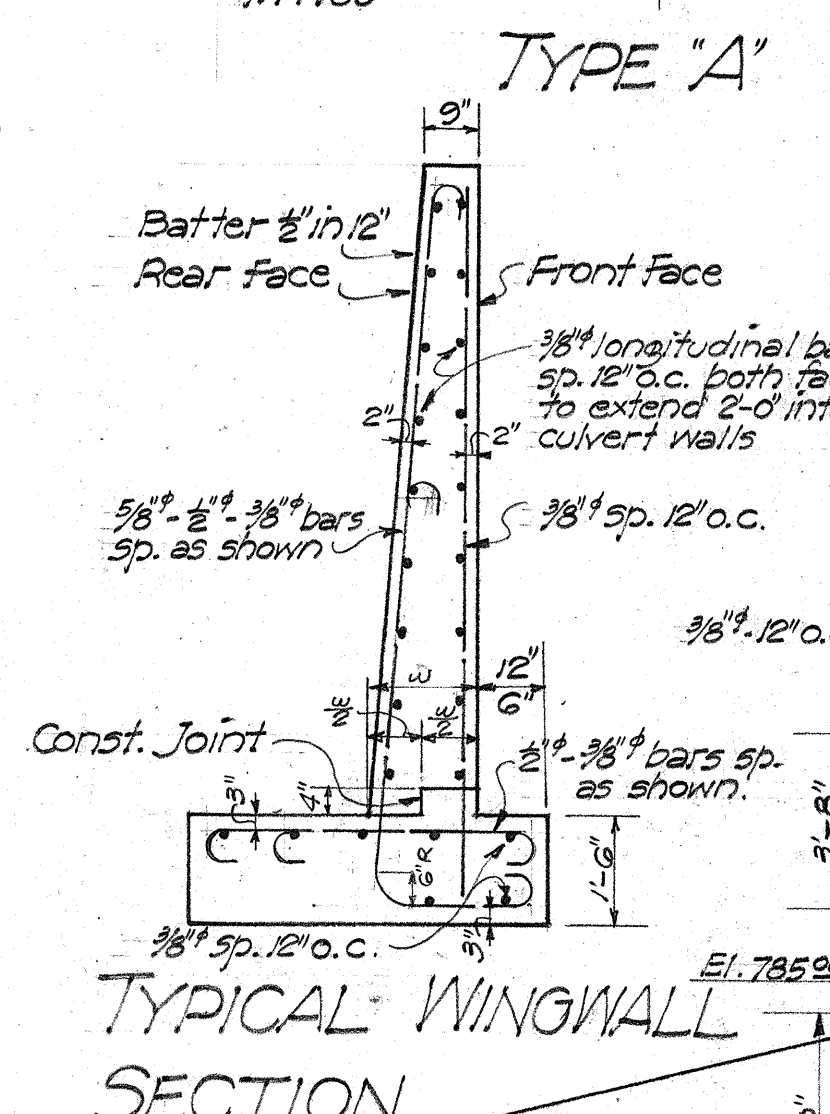
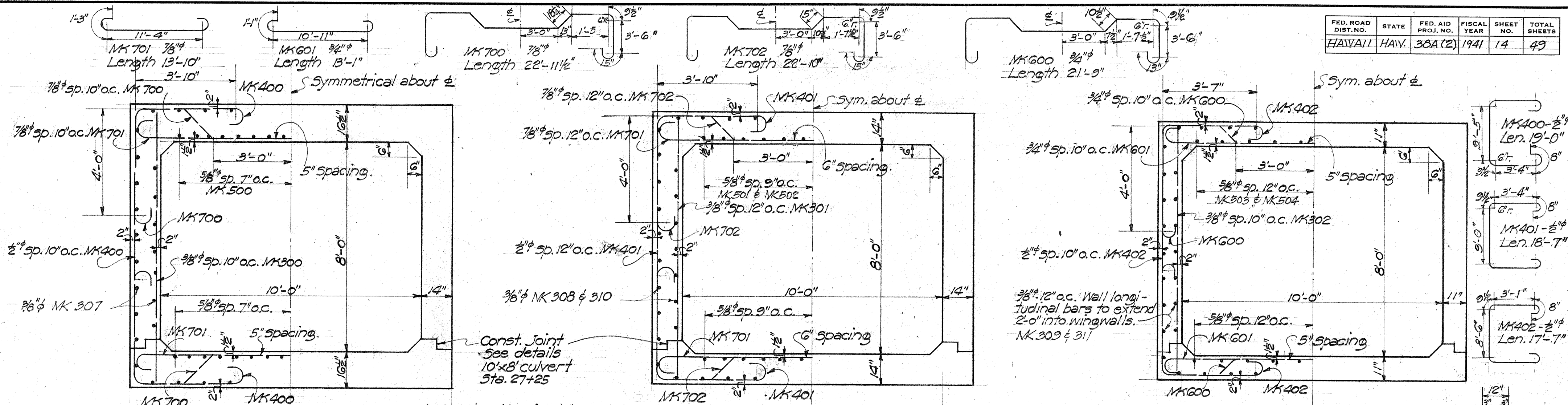
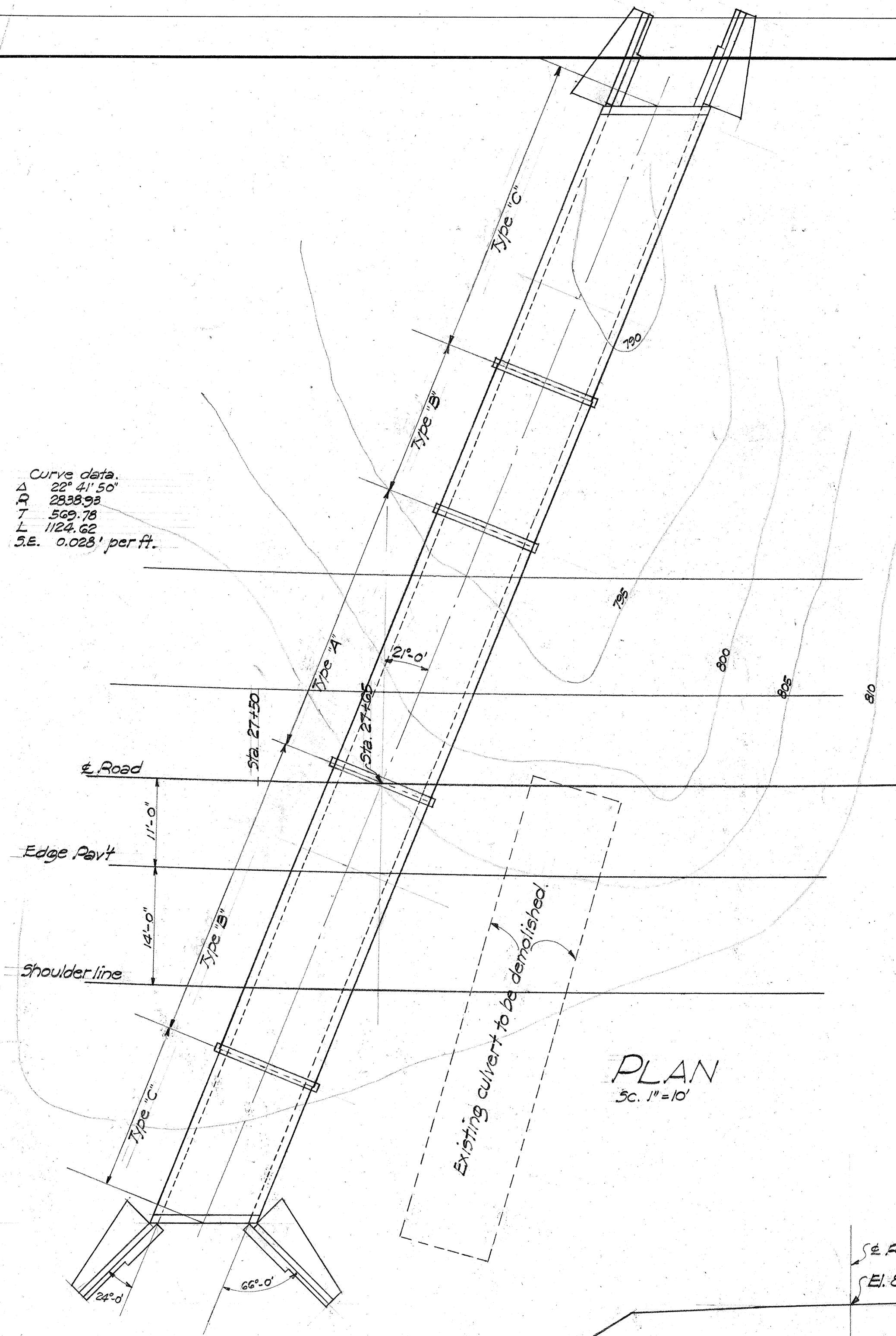
SCHOFIELD-WAIIAWA CUTOFF F&P 38A
SEPT. 1941

SHEET No. 1 OF 1 SHEETS

5072.13A

5072.13A

ORIGINAL PLAN	DESIGNED BY	DATE
NOTE BOOK	QUANTITIES BY	
No.	CHECKED BY	



QUANTITIES

Concrete "Cl. A"	2660 C.Y.
Reinf. Steel	33280 Lbs.
Struct. Excavation	270 C.Y.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

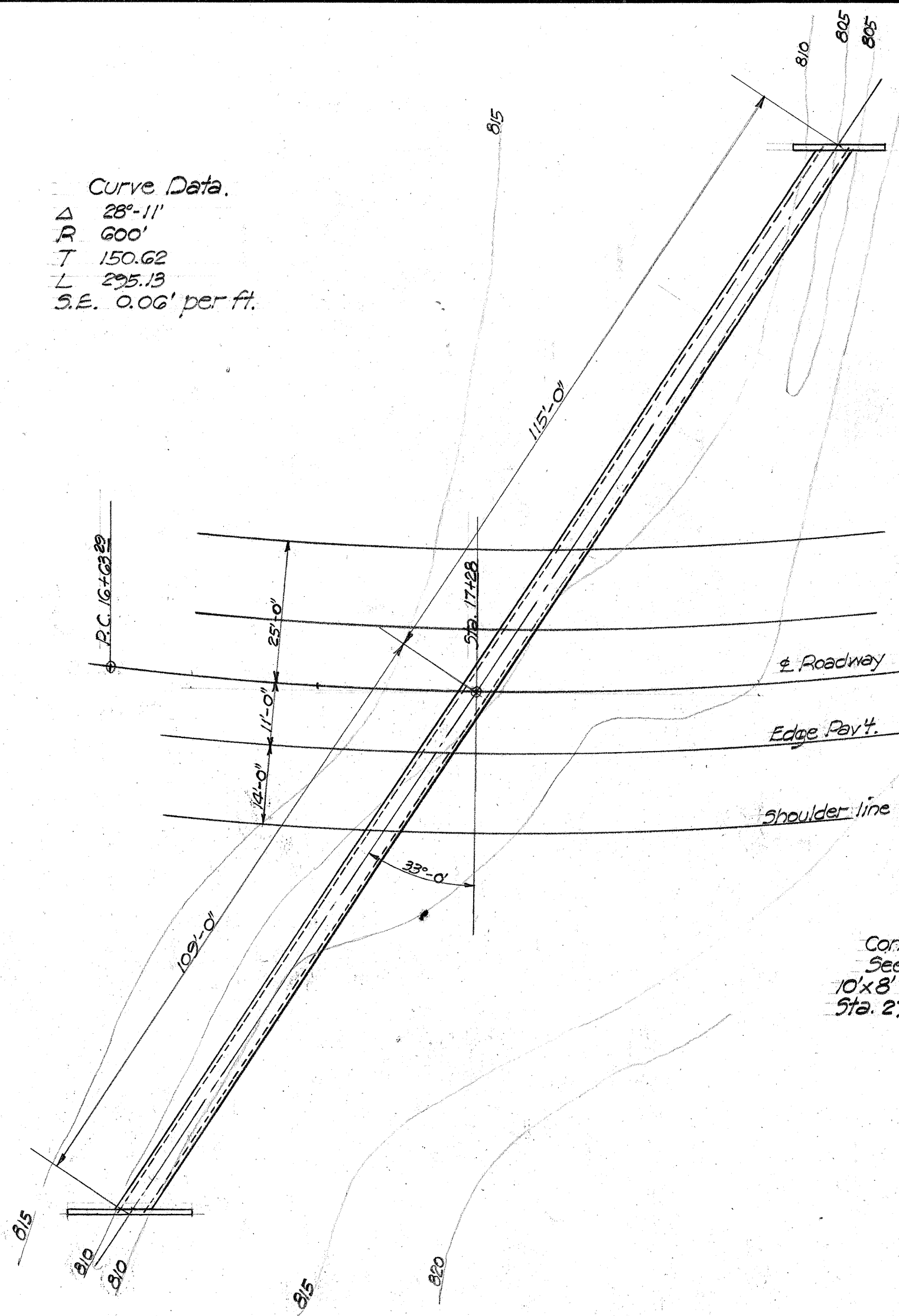
10'x8' CONC. CULVERT.
STA. 27+65

WAIHANA-SCHOFIELD CUTOFF
JAN. 1941

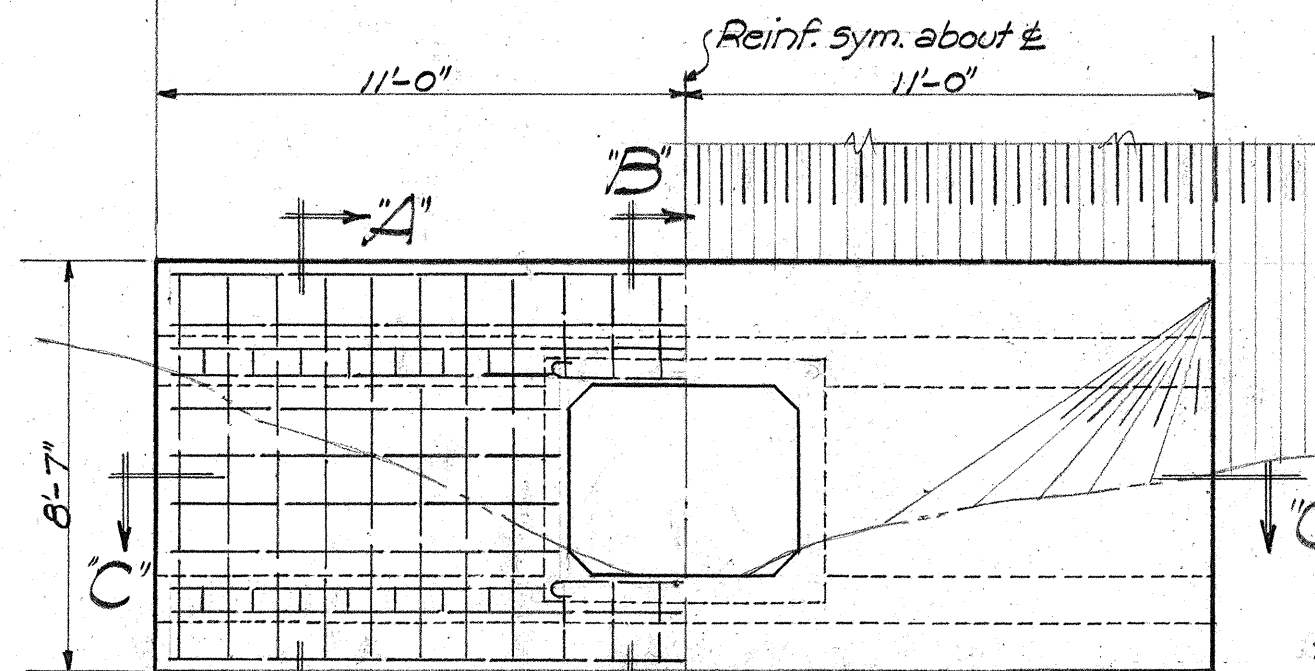
SHEET No. 14 OF 49 SHEETS

SURVEY PLOTTED BY: [Signature]
DATE: 1/14/41
ORIGINAL PLAN
DRAWN BY: [Signature]
TRACED BY: [Signature]
NOTE BOOK
QUANTITIES BY: [Signature]
CHECKED BY: [Signature]
No.

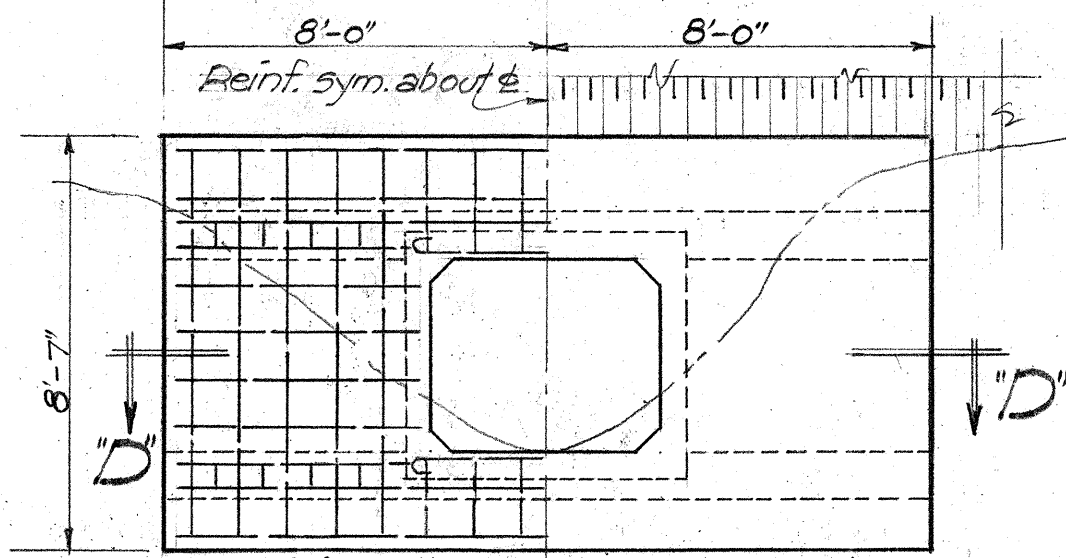
Curve Data.
 28'-11"
 600'
 150.62
 295.13
 S.E. 0.06' per ft.



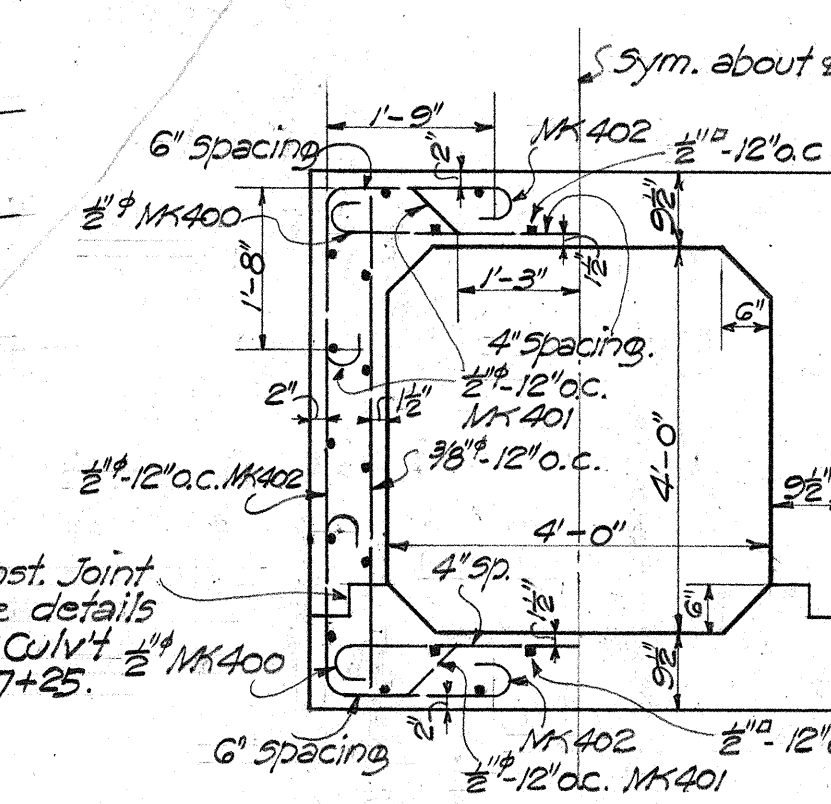
LAYOUT PLAN
 Scale 1" = 20'



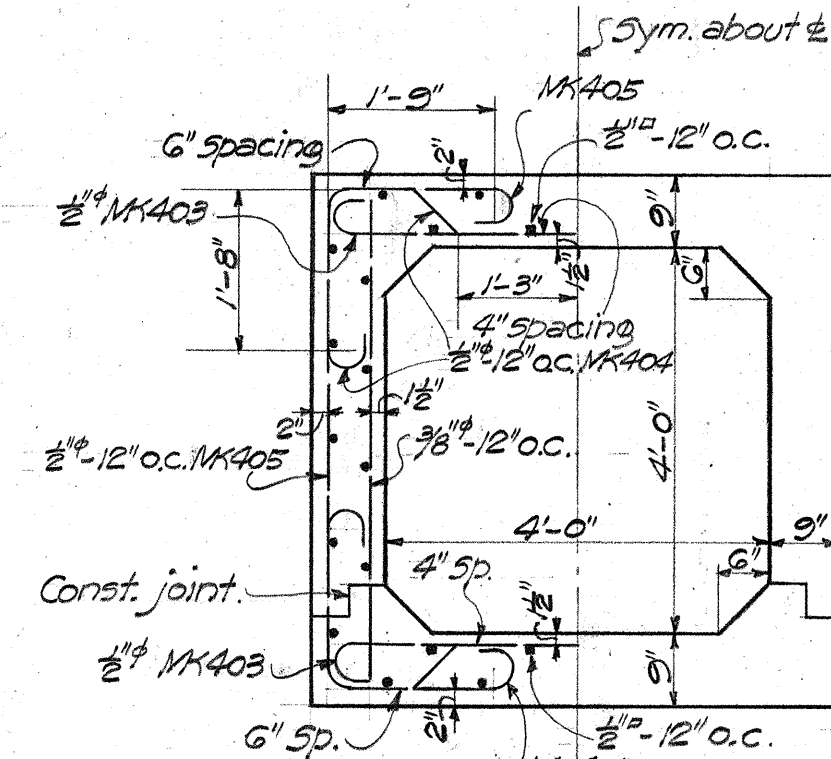
INTAKE HEADWALL
 Scale 3/8" = 1'-0"



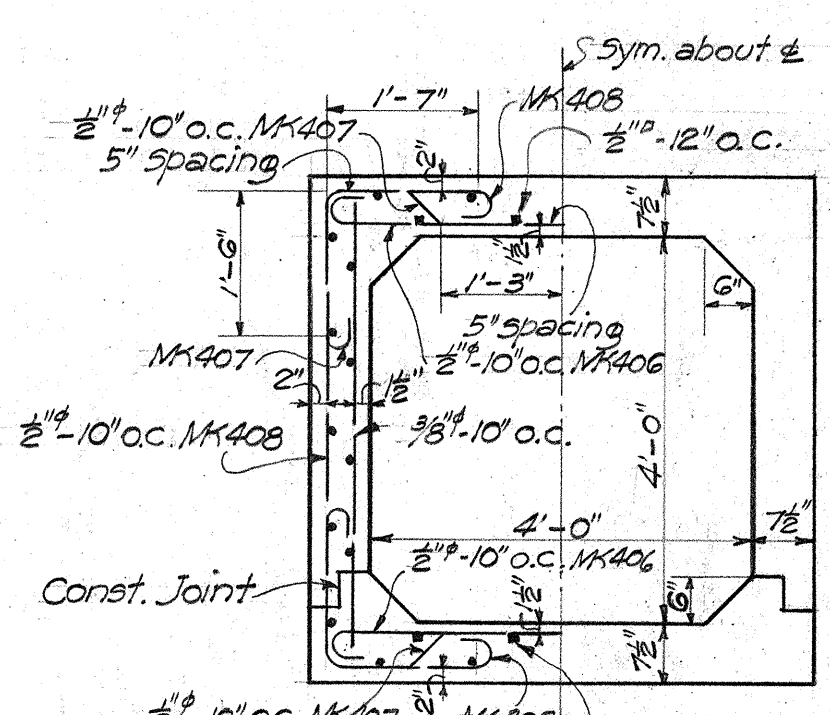
OUTLET HEADWALL
 Scale 3/8" = 1'-0"



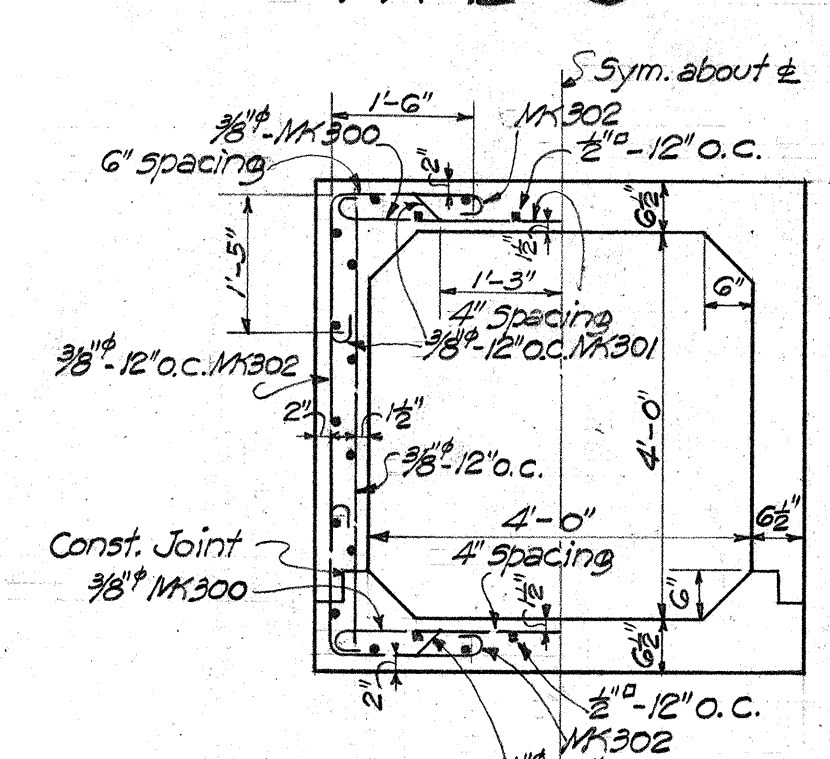
TYPE 'A'



TYPE 'B'

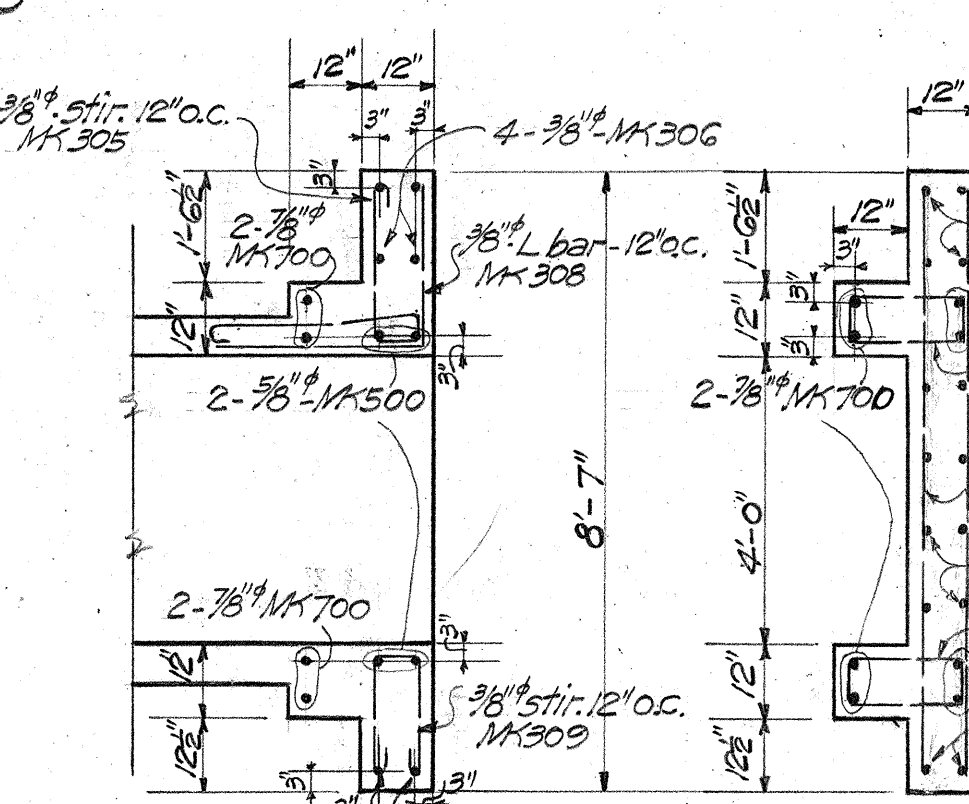


TYPE 'C'

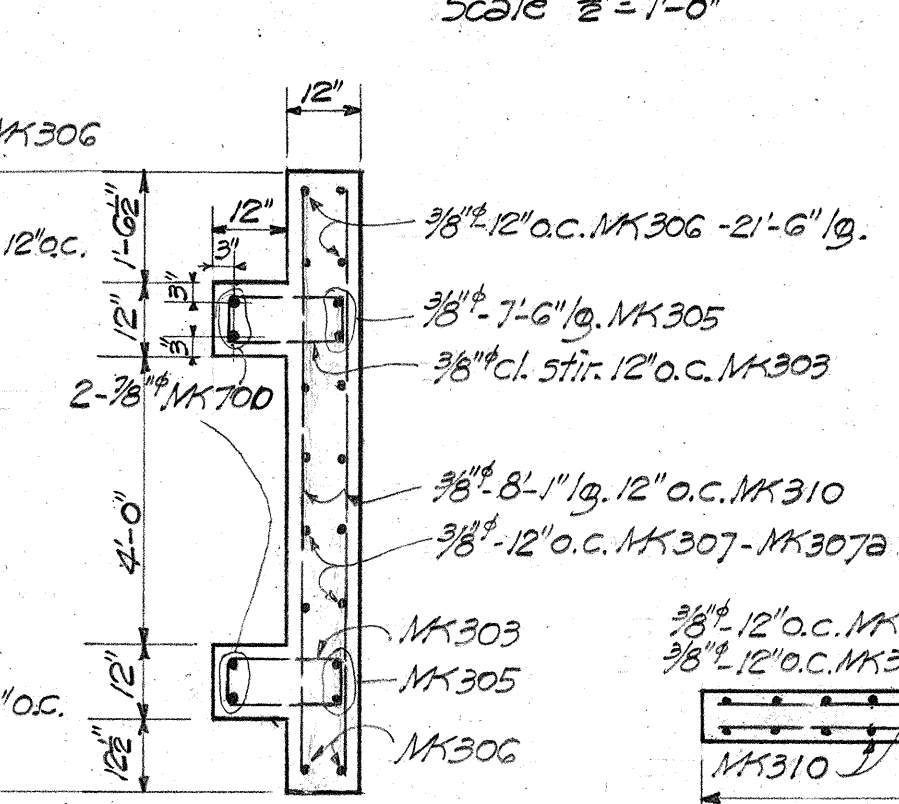


TYPE 'D'

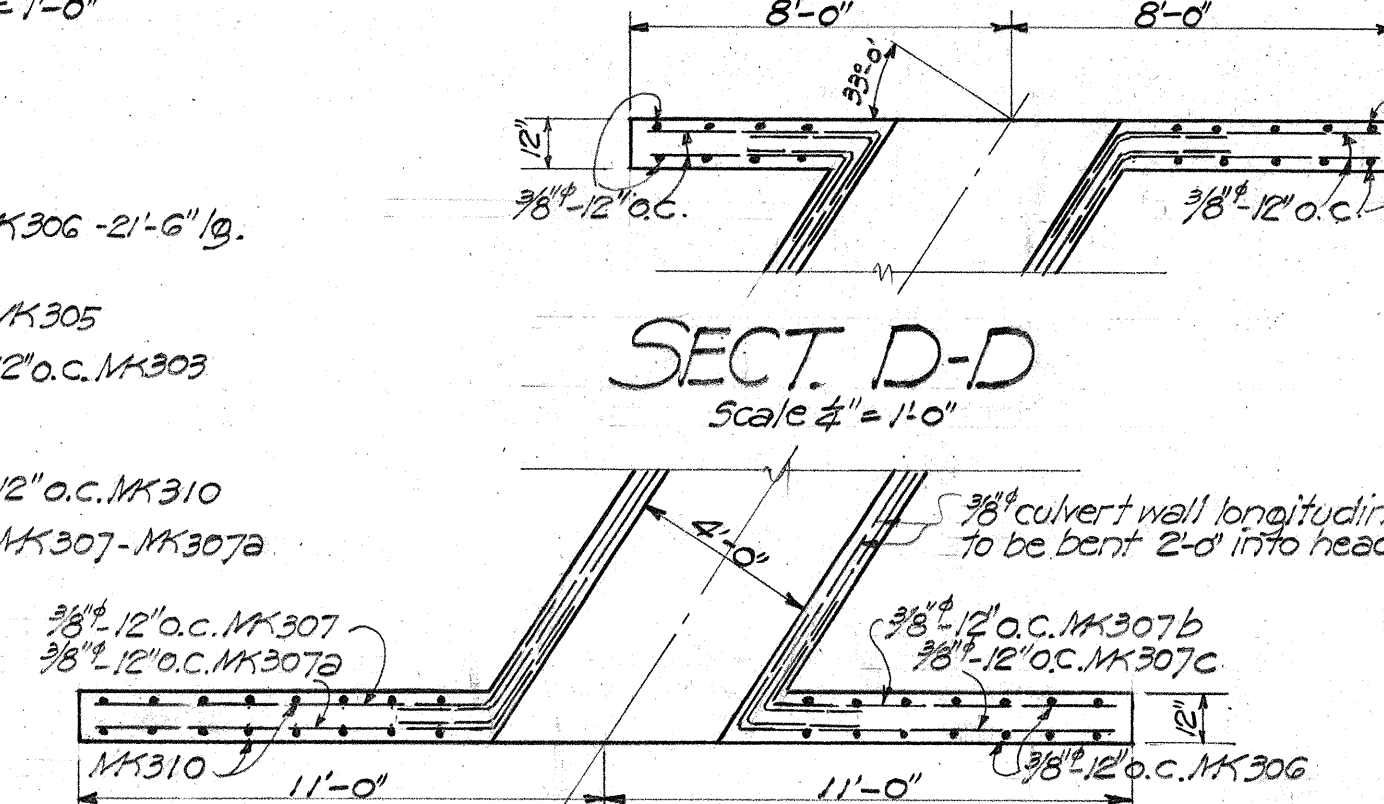
NORMAL SECTIONS
 Scale 1/2" = 1'-0"



SECT. B-B
 Scale 3/8" = 1'-0"

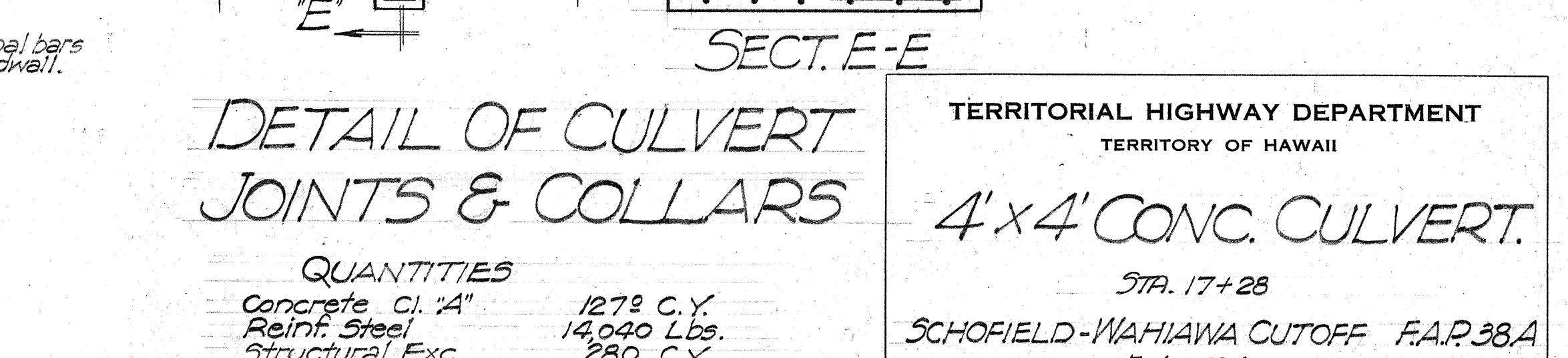
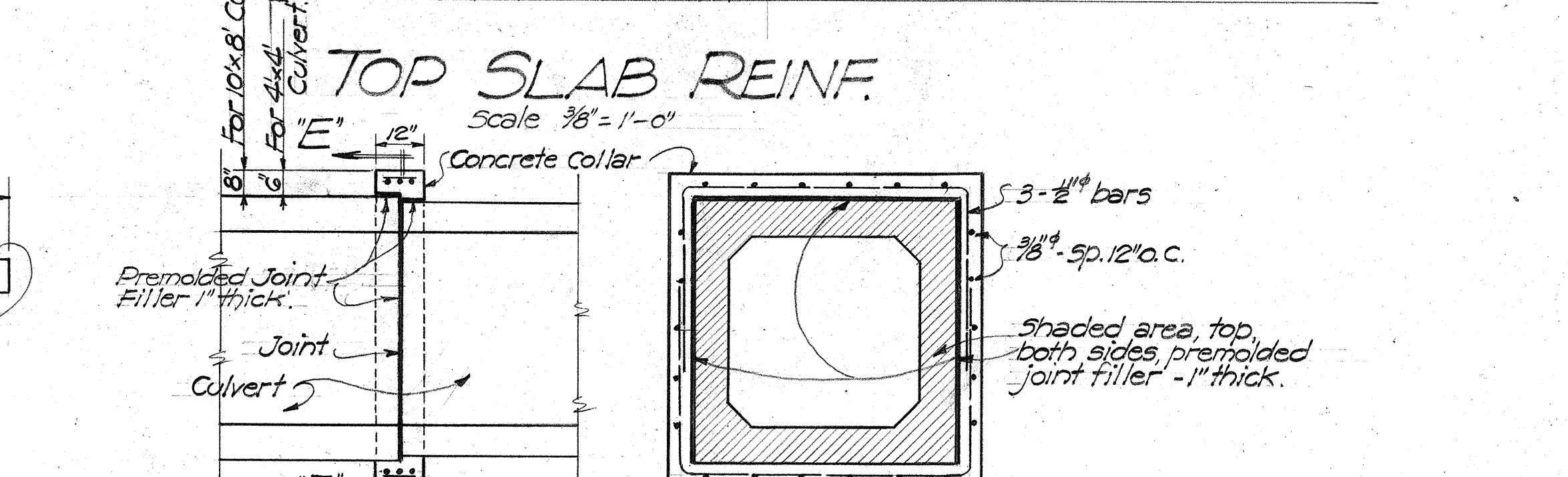
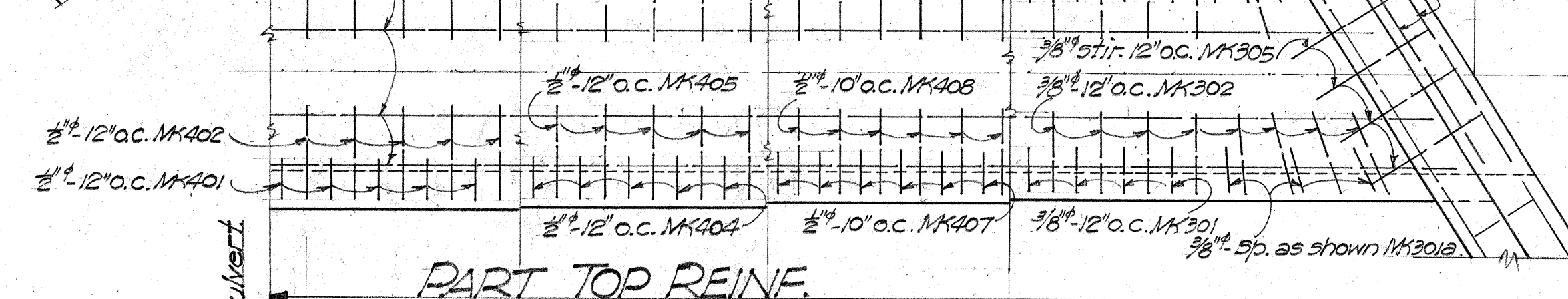
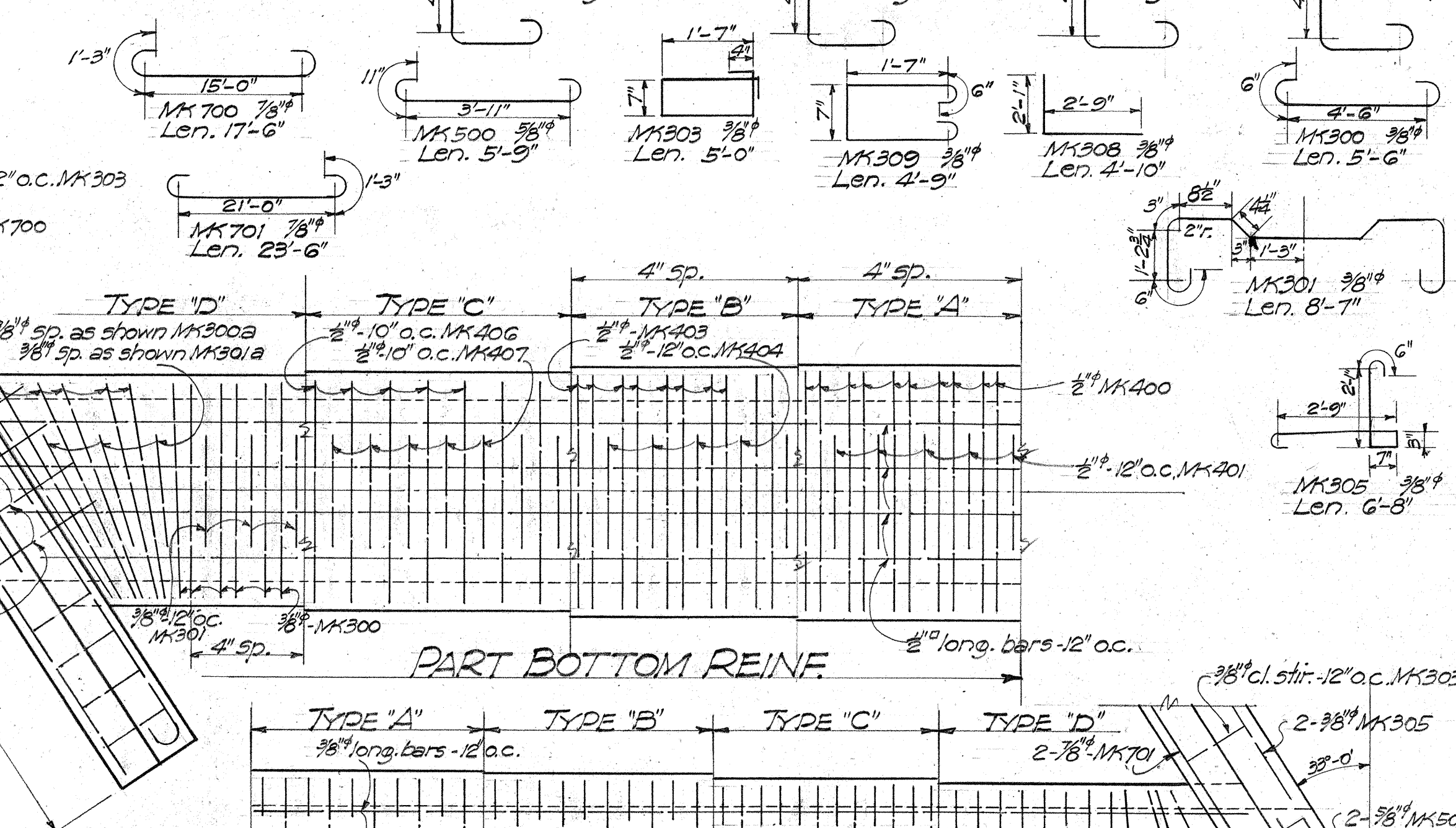
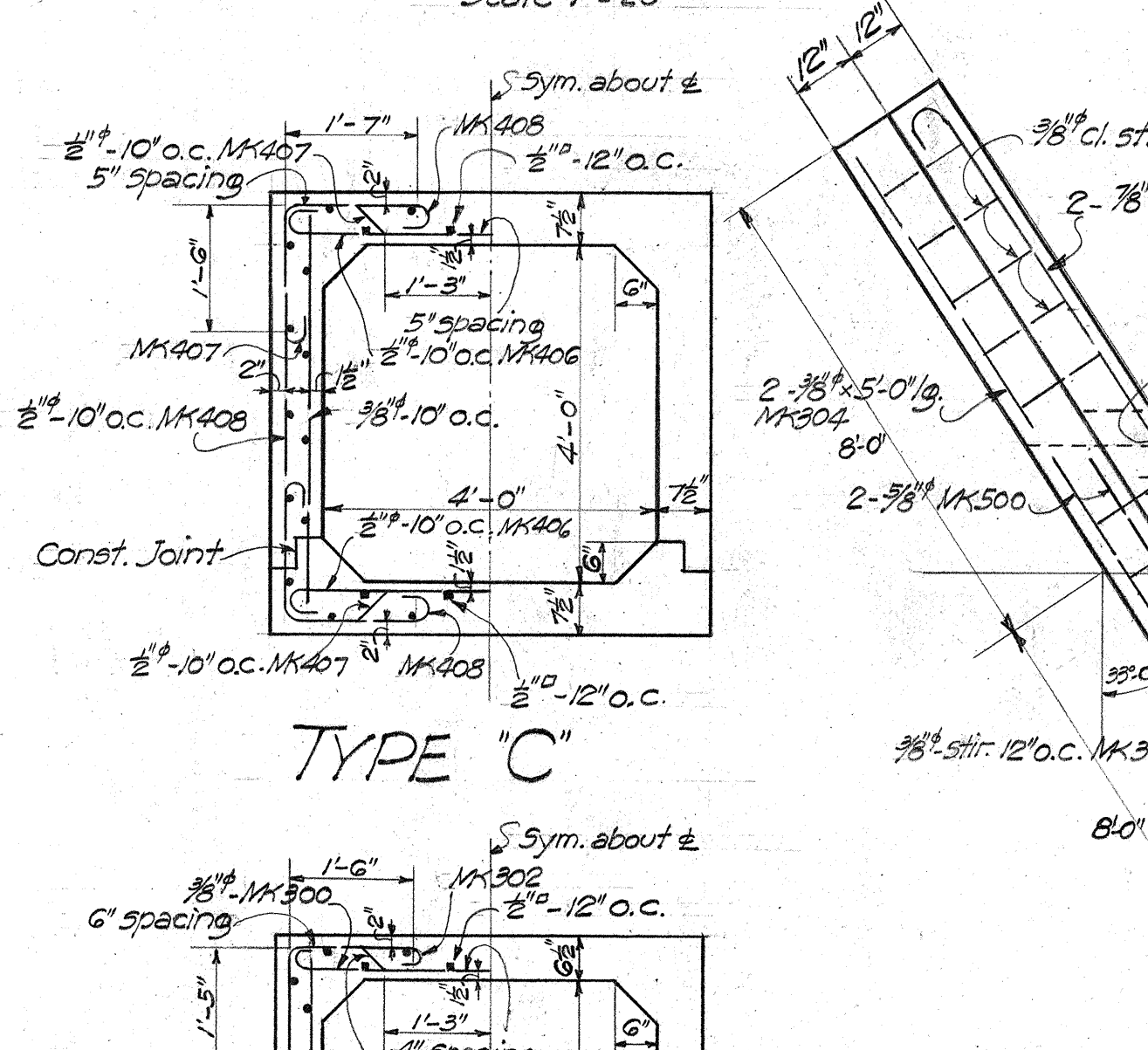


SECT. A-A
 Scale 3/8" = 1'-0"



SECT. C-C
 Scale 3/8" = 1'-0"

SECTION ALONG & CULVERT.
 Scale 1" = 20'



QUANTITIES	
Concrete C.I. 'A'	127° C.Y.
Reinf. Steel	14,040 Lbs.
Structural Exc.	280 C.Y.

TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 4'x4' CONC. CULVERT.
 STA. 17+28
 SCHOFIELD-WAHIWA CUTOFF F.A.P. 38A
 Feb. 1941
 SHEET No. 1 OF 1 SHEETS

5072.15