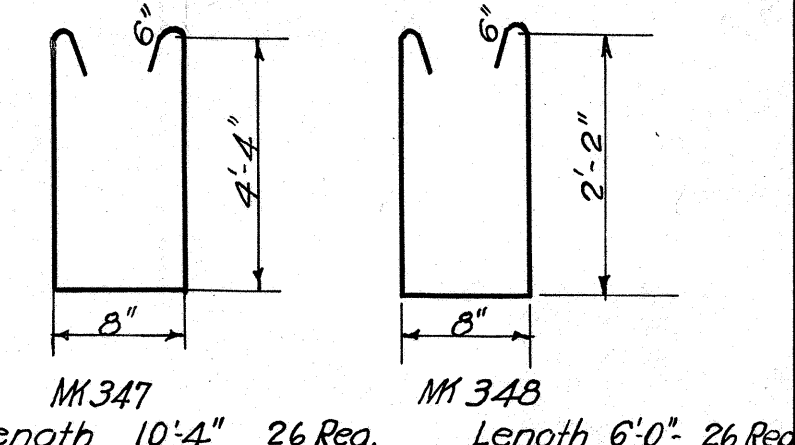
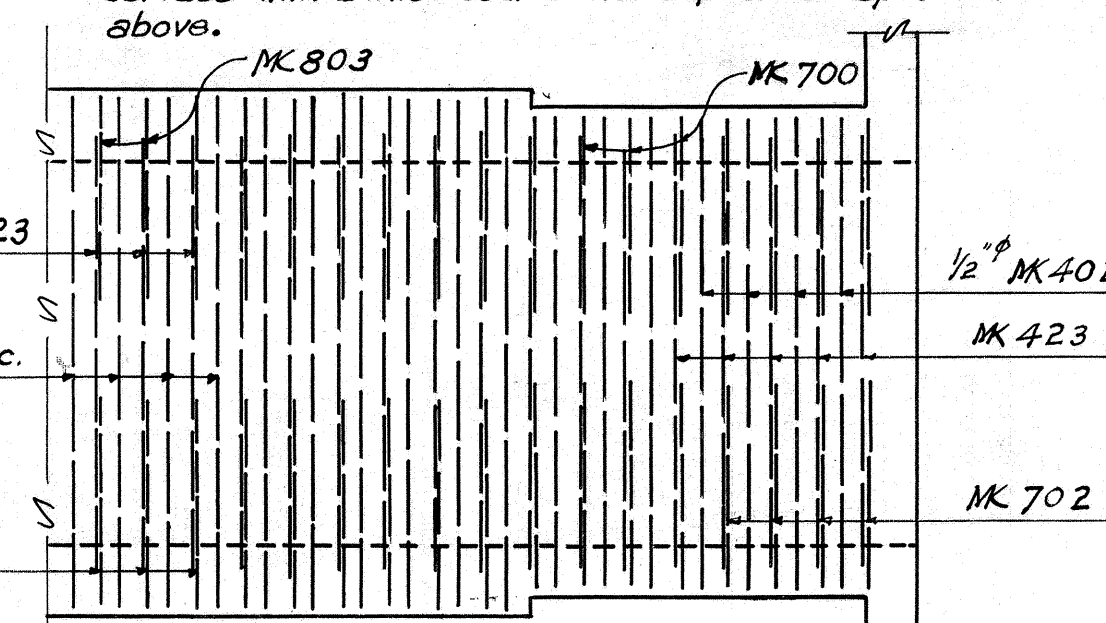
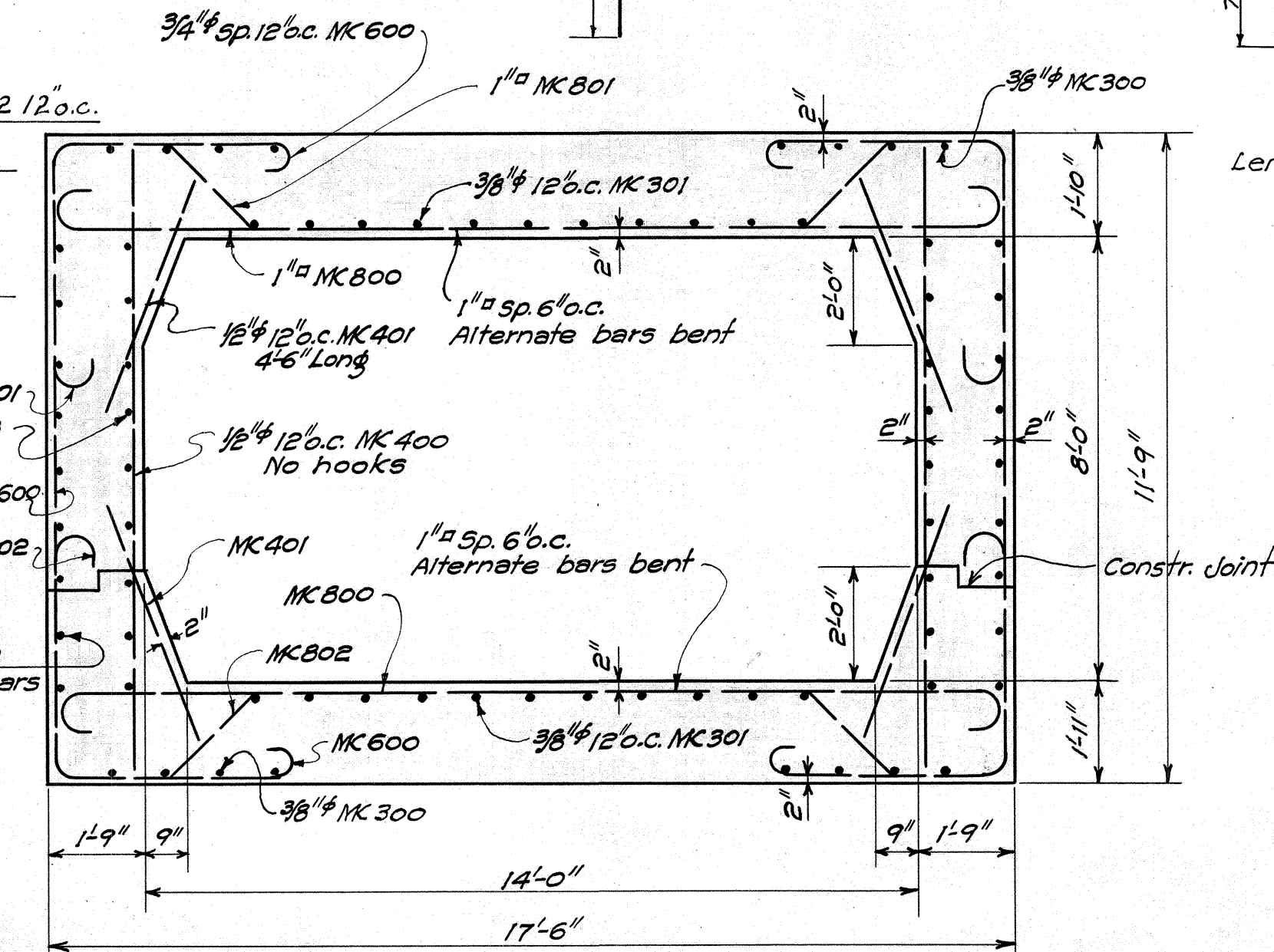




METHOD OF APPLYING WATERPROOFING :-
FIRST: *Map surface 18" either side of joint with asphalt, 85-100 penetration, applied at 200°F.*
SECOND: *Apply one layer of 2ply roofing paper lapping 12" either side of joint, to hot asphalt; then mop entire surface with a thick coat of hot asphalt as specified above.*



NOTE: Horizontal Bars are not Shown



SECT D-D
Scale 3/8"=1'-0"

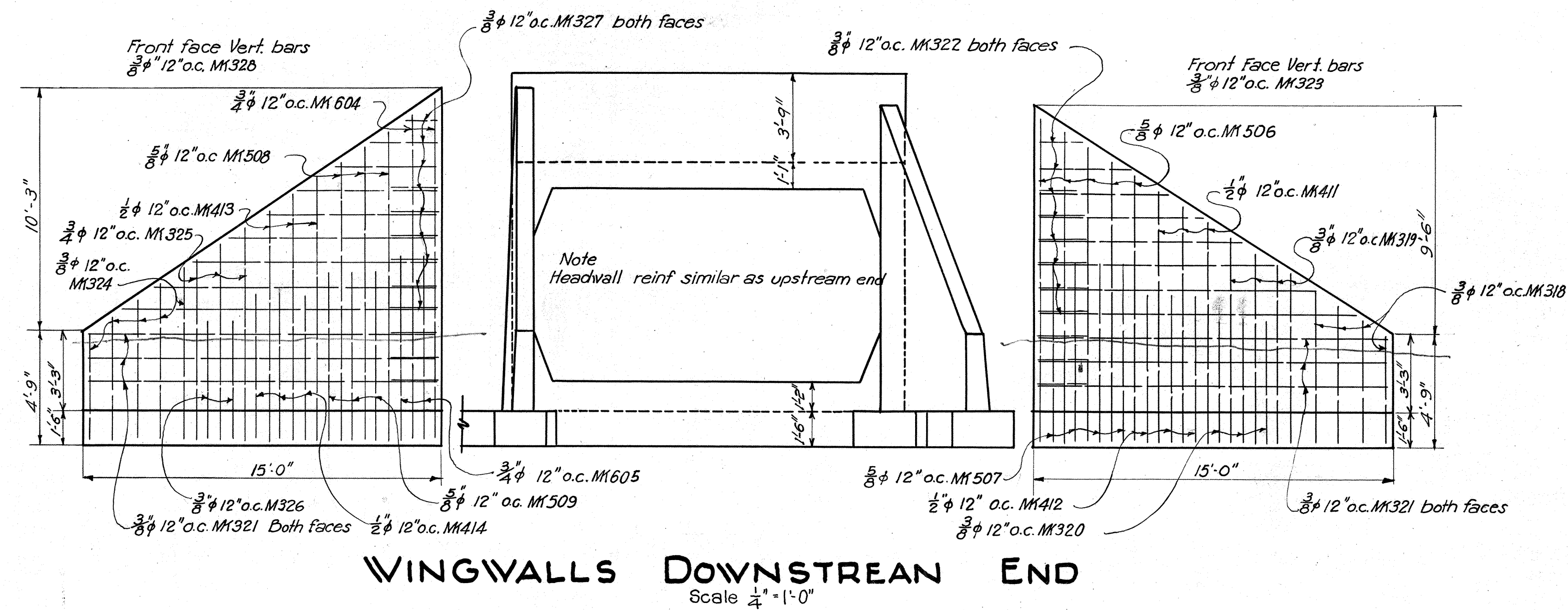
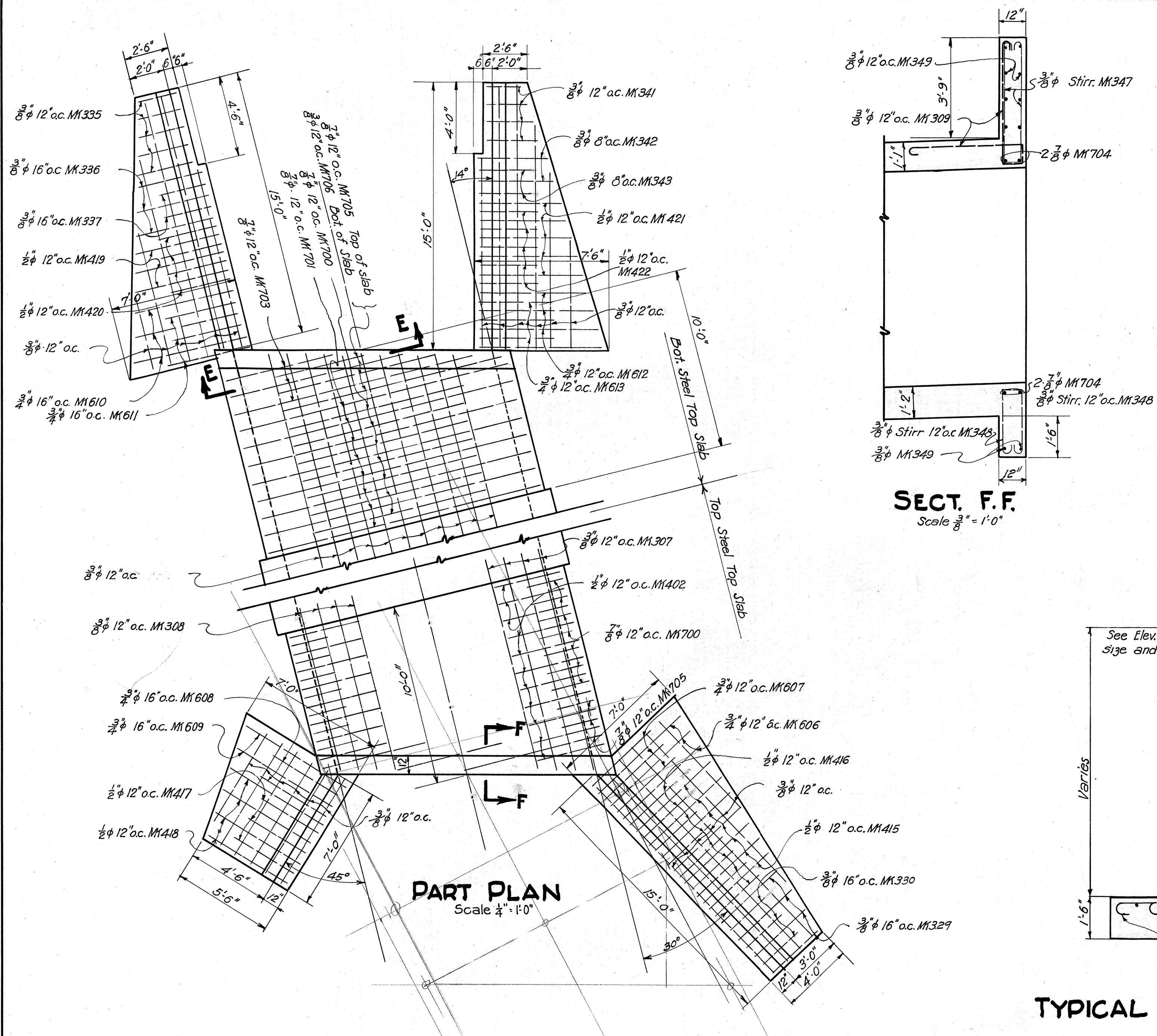
ESTIMATED QUANTITIES	
Class "A" Concrete	362.7 C.Y.
Reinf. Steel	43,668 LBS. 44,350 LBS.
Structure Exc.	408 C.Y.
Channel Exc.	80 C.Y.

STA 79+10 F.A.P 19-D

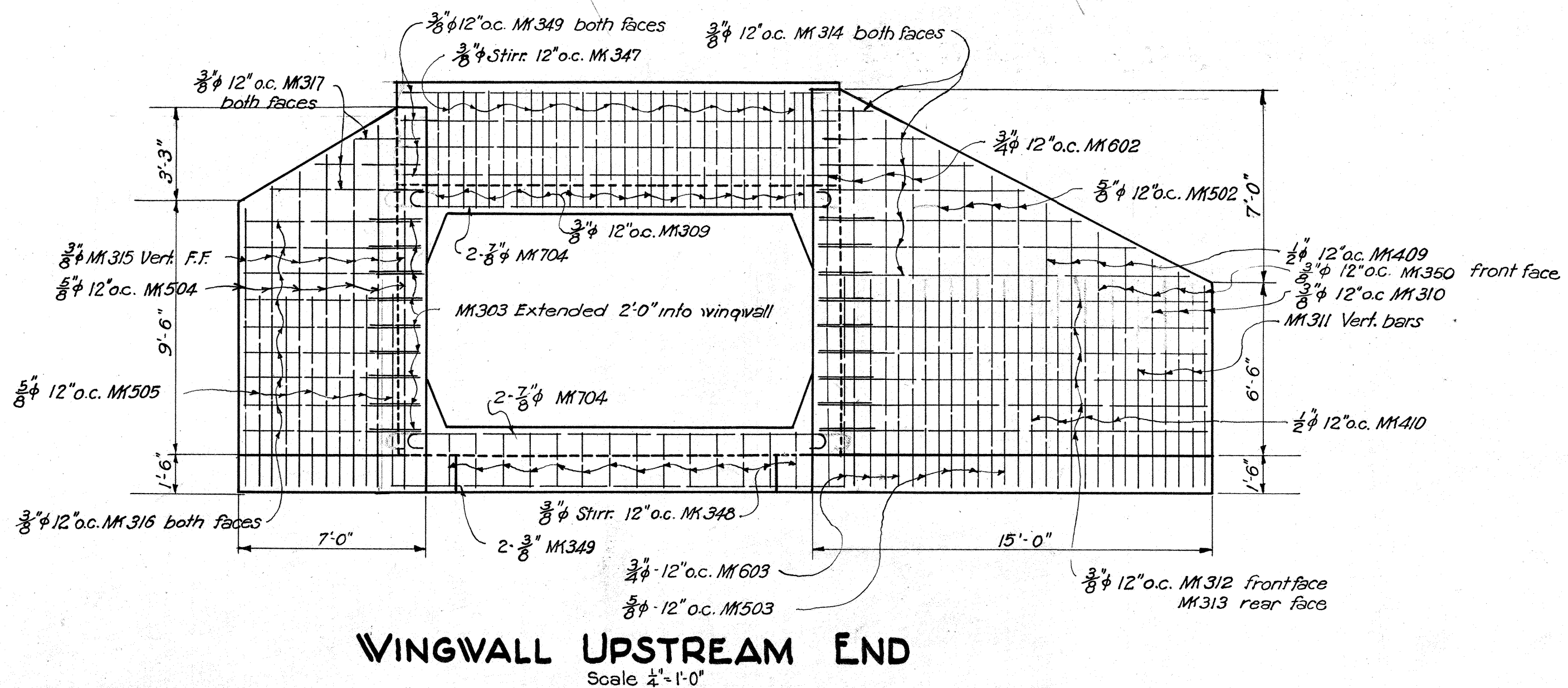
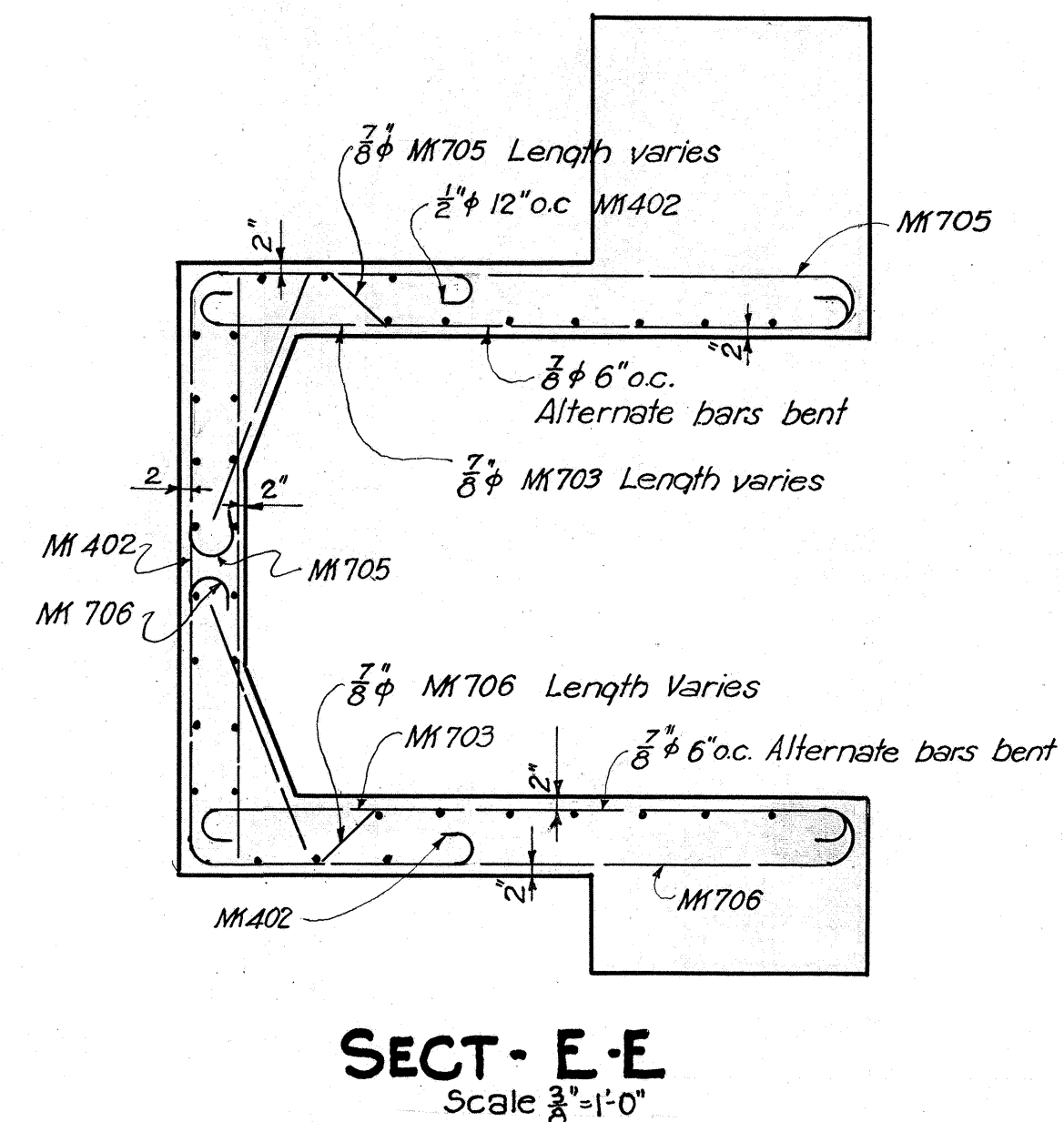
SHEET N^o 1 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY <i>W. E. Bartels</i>	" <i>Nov 1937</i>
	DRAWN BY <i>P. Kang</i>	" <i>" "</i>
	TRACED BY <i>"</i>	" <i>" "</i>
NOTE BOOK	QUANTITIES BY <i>"</i>	" <i>" "</i>
	CHECKED BY <i>A. V. Roberts</i>	" <i>" "</i>
No.	CHECKED BY <i>W. E. Bartels</i>	" <i>Dec.</i>

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	19-D	1937	8	23



TYPICAL SECT OF WINGWALL
Scale $\frac{3}{8}'' = 1'-0''$



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
14' x 8' BOX CULVERT
STA 79+10 F.A.P. 19-D