

VERSION: 5.0.0 COMPILED: 9/01/94

NO.	DATE	BY	APP'D
1	12-SEP-1994	08:37	

iprj	12-SEP-1994	08:37	
12-SEP-1994	08:37		

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	468-76-245-81590	19	25	48

GENERAL NOTES

UNIT STRESSES: Class AAA Concrete, $f'_c = 4,000$ p.s.i.
Reinforcing Steel, $f_y = 60,000$ p.s.i.

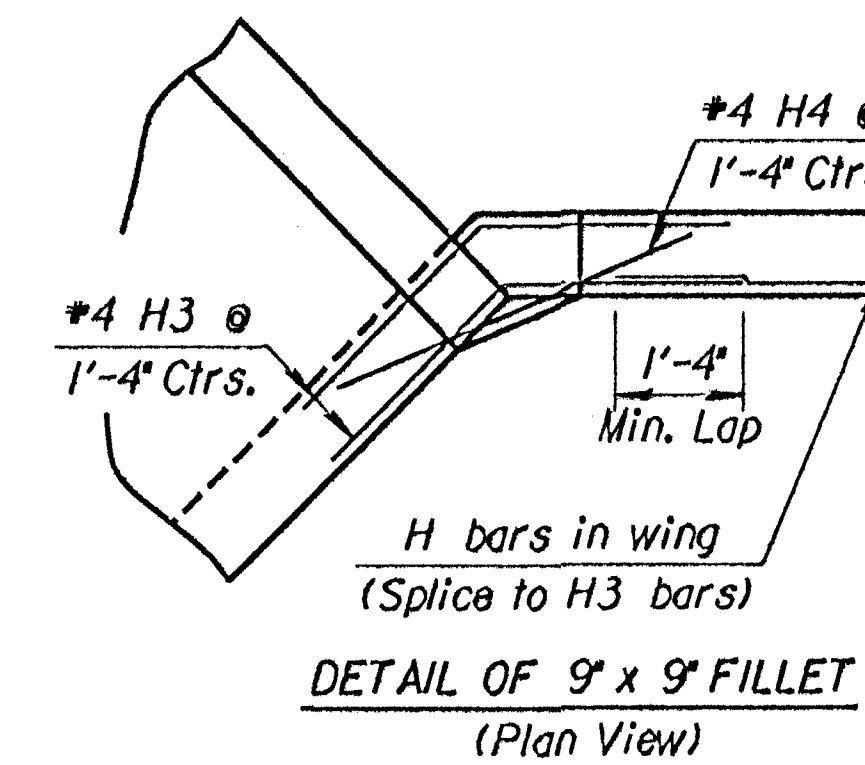
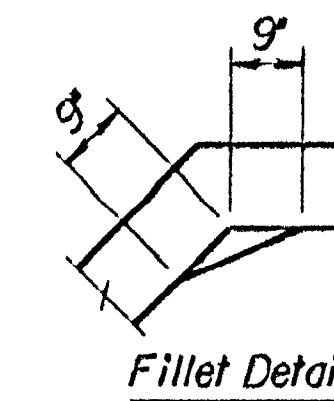
CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a $\frac{3}{4}$ inch triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. Welded Wire Fabric shall conform to ASTM A185. All dimensions relative to reinforcing steel shall be to centerline of bar unless otherwise noted.

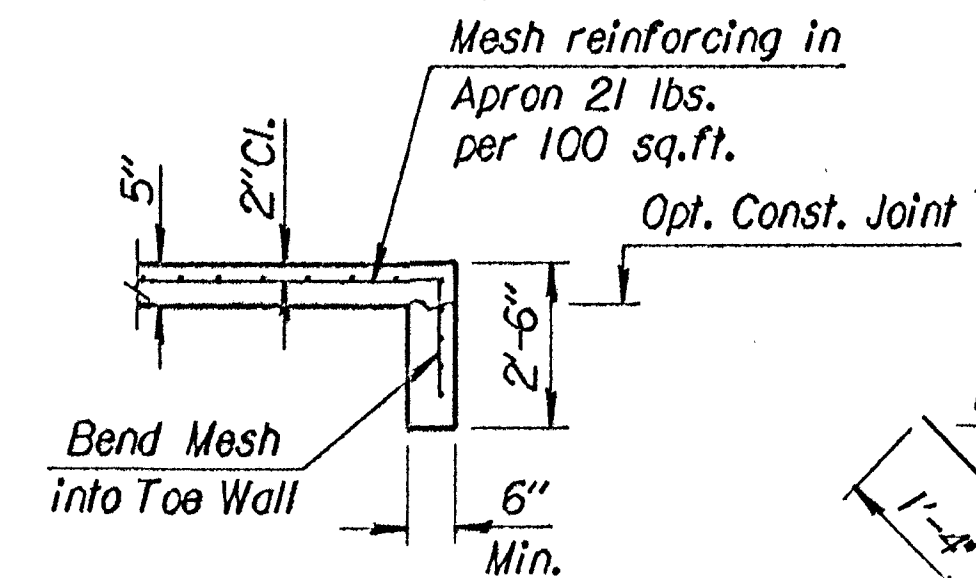
QUANTITIES: Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.

APRON: A 5" concrete slab shall be constructed between the downstream wings in locations subject to scour only when specified on the plans or by the Engineer. Wire Reinforcing mesh shall be electrically welded and shall be composed of 6 x 6-W1.4 x W1.4 welded wire fabric and shall be classified as pounds of reinforcing.

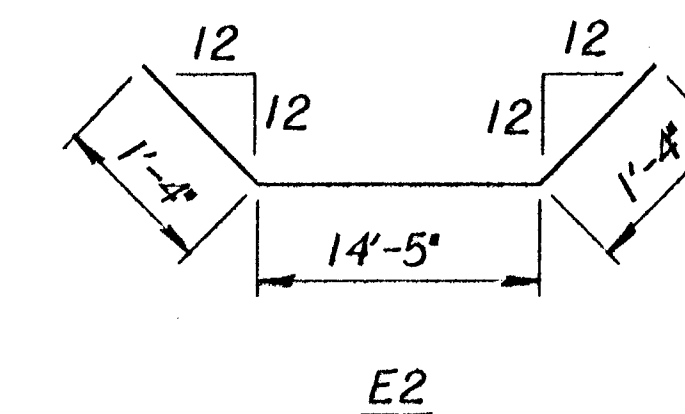
FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabilization and/or Granular Backfill (Wingwalls) shall be used as determined by the Engineer.



* NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. DI bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.

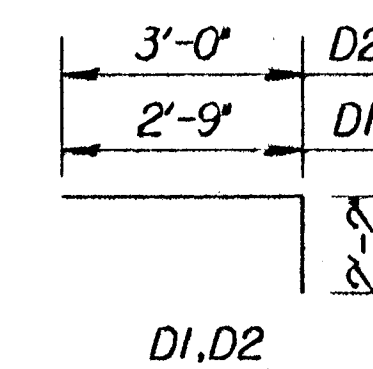


SECTION B-B

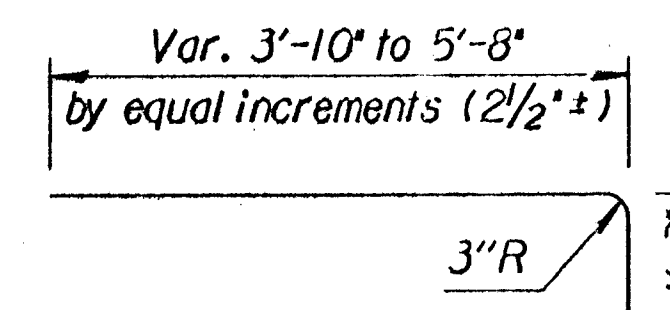


E2

H3



D1, D2



VI
(2 Req'd., each length)

BENDING DIAGRAM

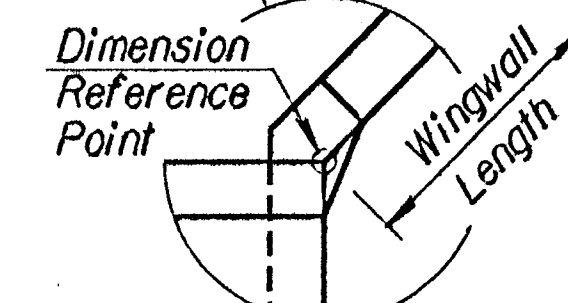
(All dimensions are out to out of bars.)

Quantities listed below are included in the Summary of Quantities shown on the RCB details.

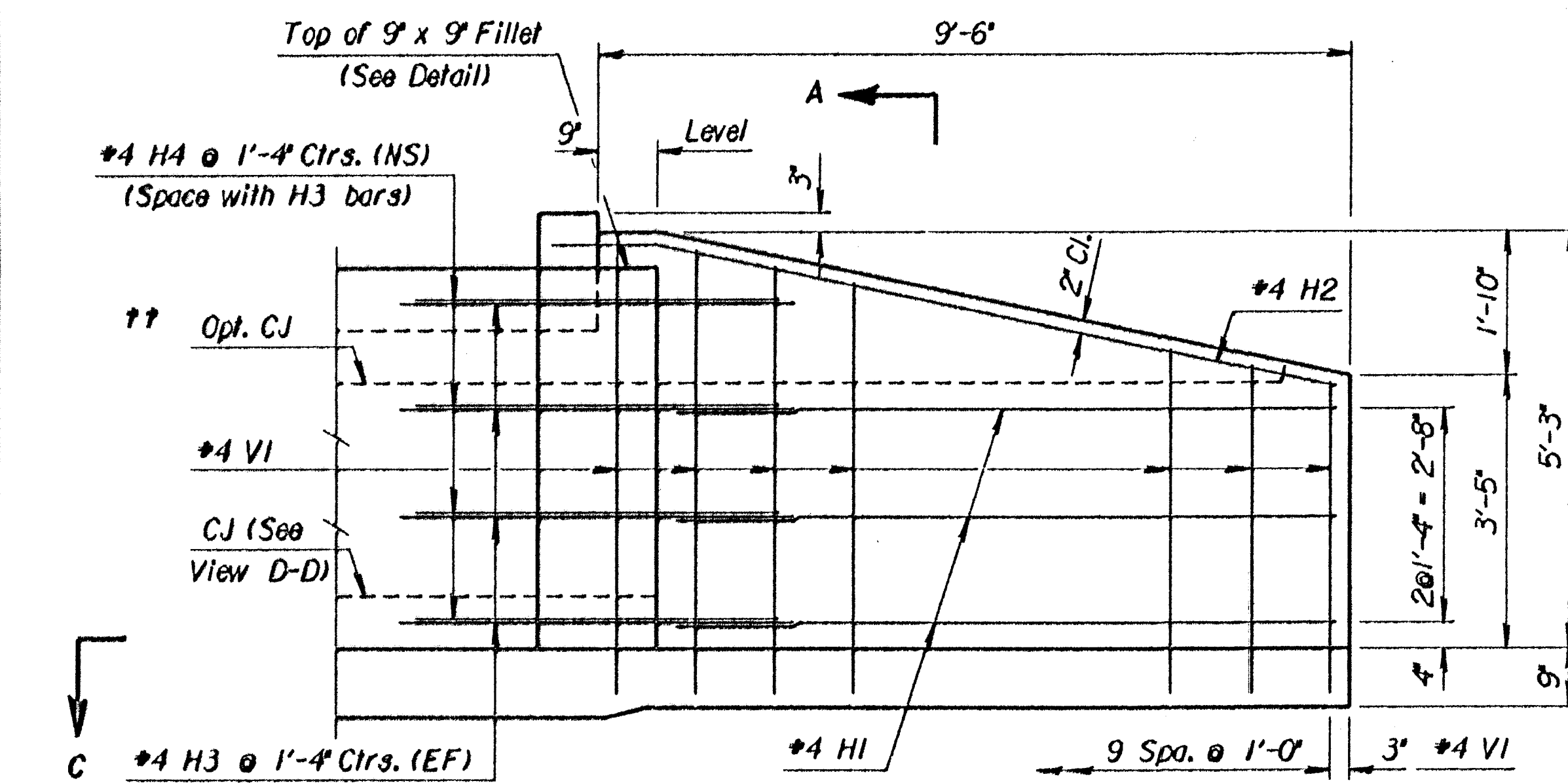
WINGWALL QUANTITIES (One End Only)		
Class AAA Concrete:		
Wingwalls	5.20	CY.
Apron	3.03	CY.
Soil Saver	0.00	CY.
Reinforcing Steel		
406.92	Lbs.	
Welded Wire Fabric		
41.26	Lbs.	

WING DIMENSIONS FOR NORMAL BOX
($\frac{3}{2}$ Embankment Slope)

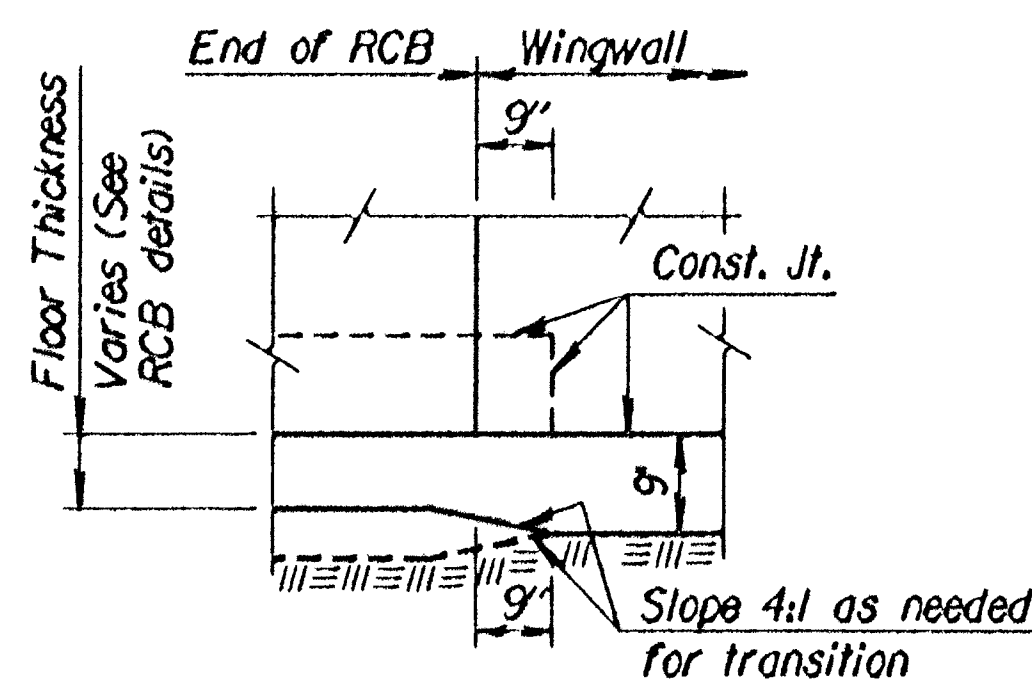
NOTE: Space weepholes to clear reinforcing steel. See "RCB Aux. Details" sheet for additional



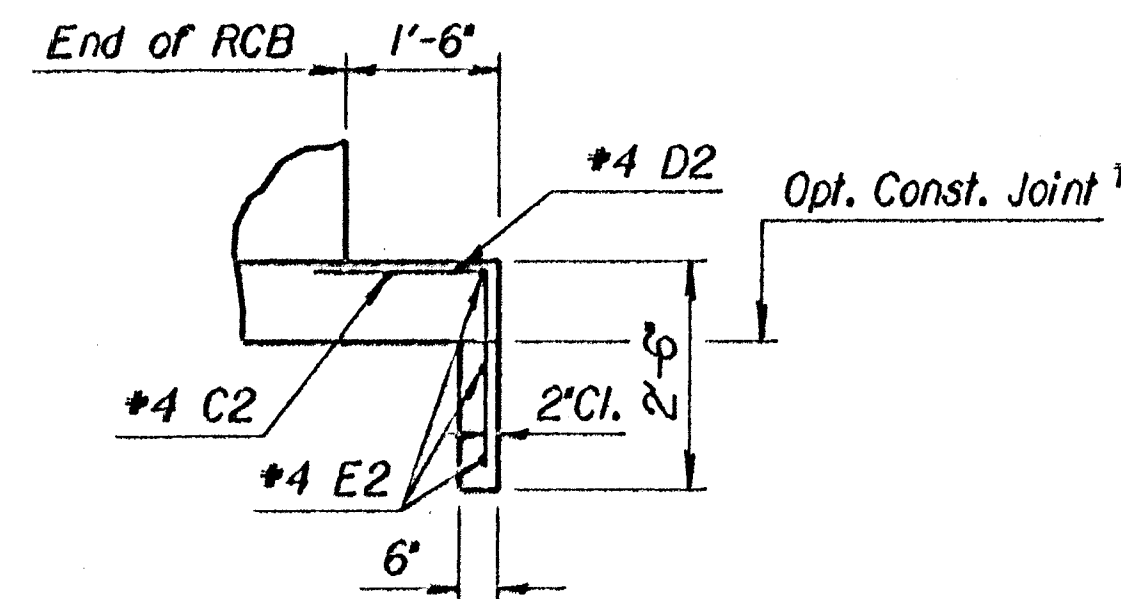
* See Bending Diagram



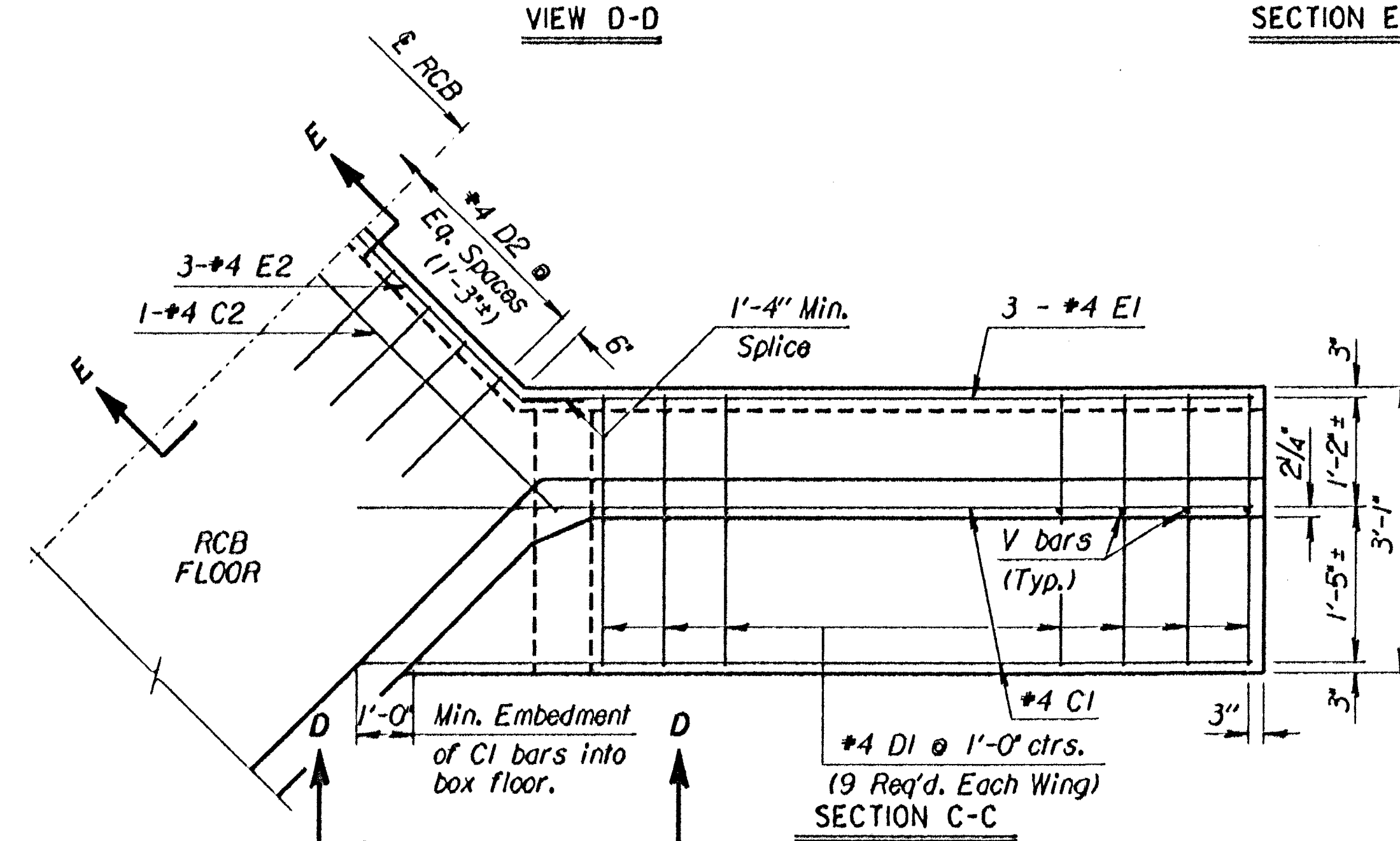
ELEVATION OF WINGWALL
(Backface Shown)



VIEW D-D



SECTION E-E



SECTION C-C

NOTE: Reinforcing Bar List is for both wings at one end of box only.

O' Skew	Reinforcing Bar List									
	No.	#4CI	#4DI	#4EI	#4C2	#4D2	#4E2	#4V1	#4H1	#4H2
	Length	11'-7"	4'-11"	8'-9"	15'-3"	5'-2"	17'-1"	*	8'-4"	10'-3"

NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
Sta.				
FLARED WINGWALLS				
4 FT. RISE (0'SKEW)				
STD. NO. 10.00.04 SEDGWICK CO.				
DESIGNED BY: KENNETH F. HURST				
CHECKED BY: KENNETH F. HURST				
APPROVED BY: KENNETH F. HURST				