

FWHA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-4445-01	1996	44	73

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 3/4 inch triangular moulding.

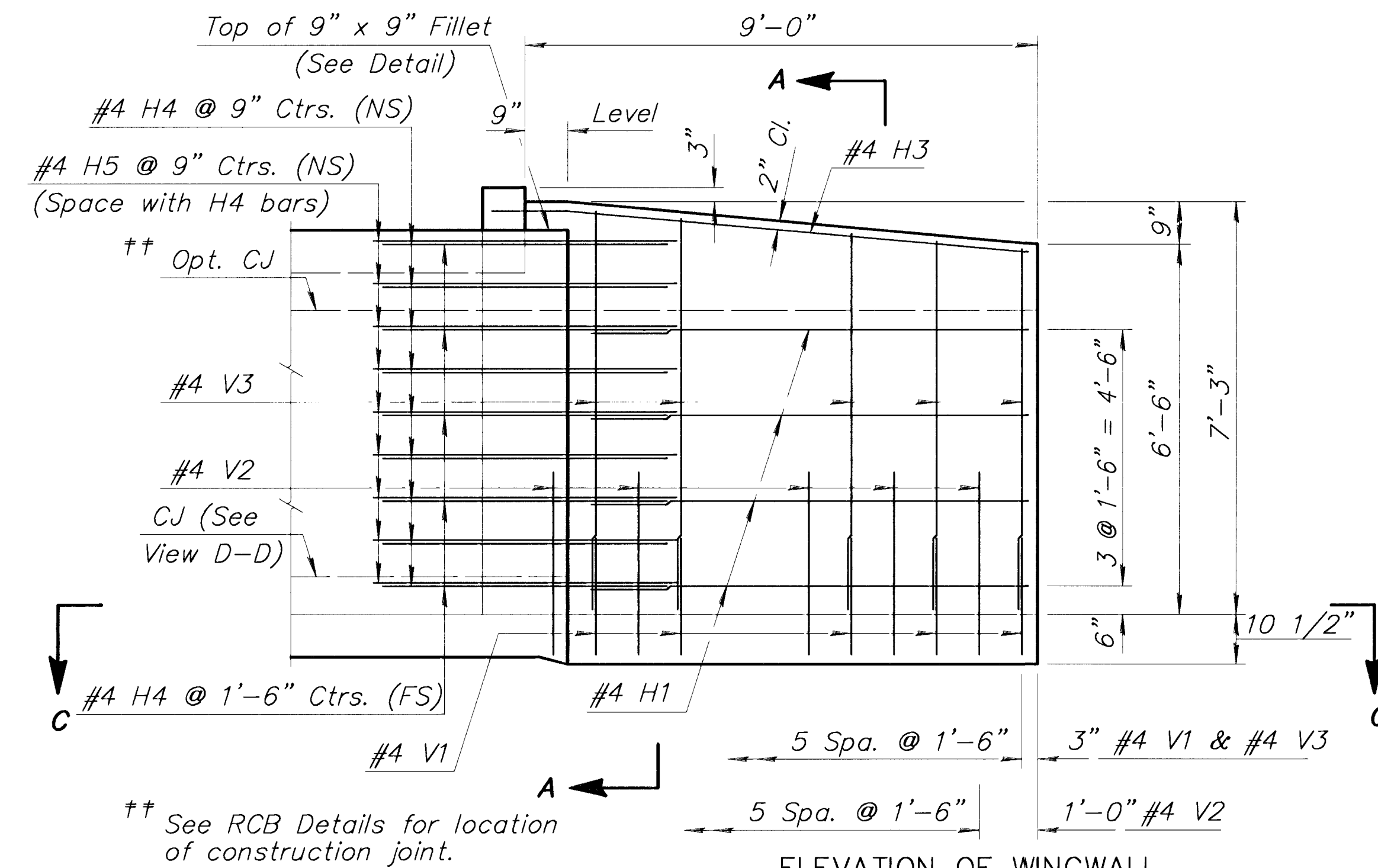
REINFORCING: All reinforcing shall conform to ASTM A615,
Grade 60.

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

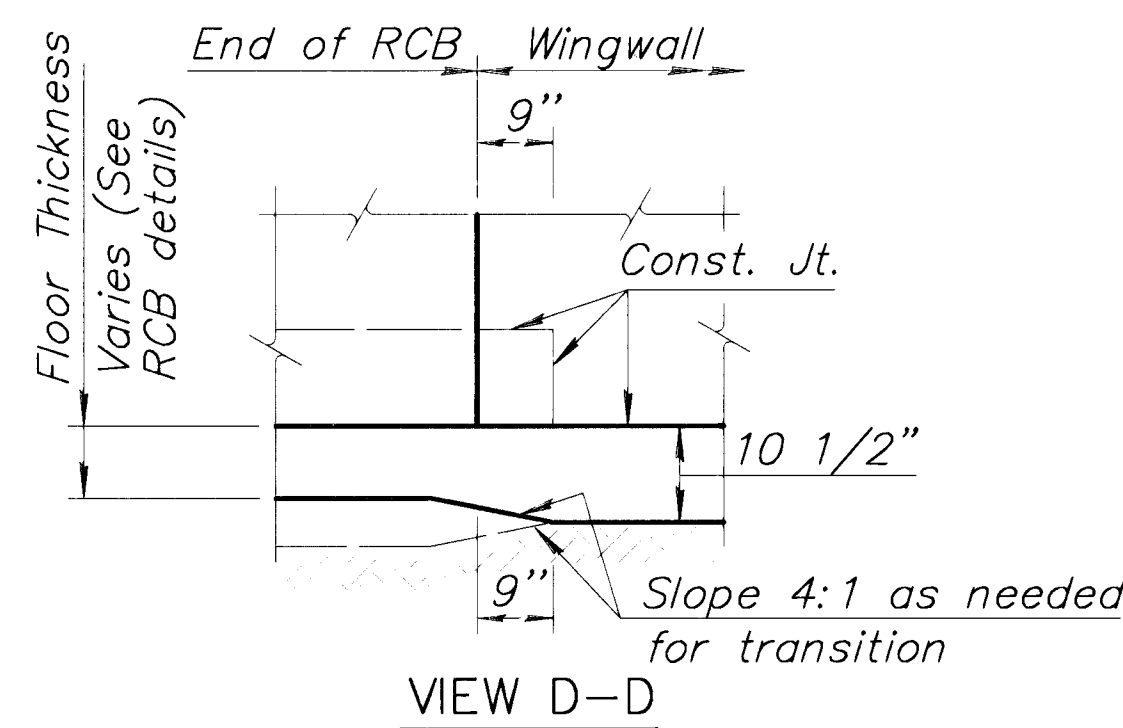
FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabilization and/or Granular Backfill (Wingwalls)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

Storm Pipe Location Summary						
STRUCTURE	PIPE MARK	STATION	OFFSET	WALL	SIZE	FIN ELEV
Pinecrest at E.B.D.C.	--	11+97.36 11+35.5	16.12' Lt. 16.12' Rt.	West East	18" 24"	Match Exist 1331.47

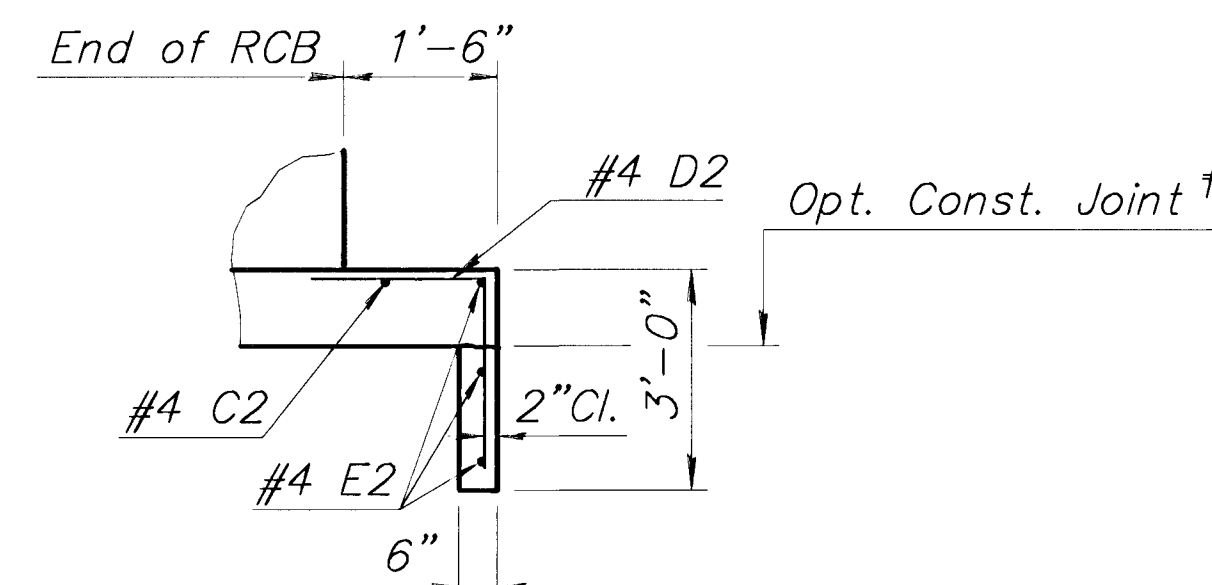
NOTE: Stations and offsets are at intersection of ϕ Pipe with outside face of R.C.B. wall, referenced to ϕ E.B.D.C.
See Sheet 46 for Wall Opening Details for Storm Pipes.



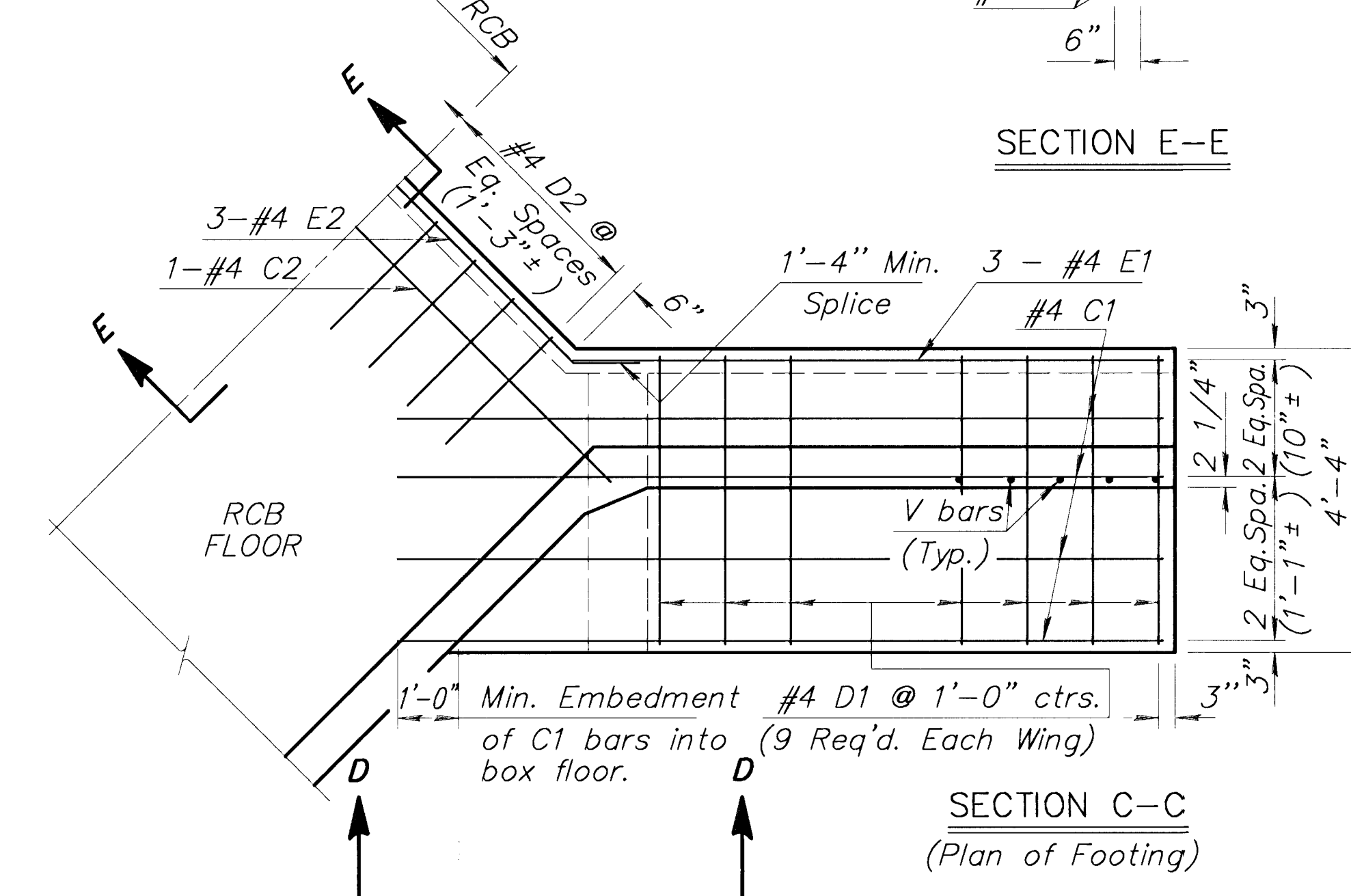
ELEVATION OF WINGWALL
(Backface Shown)



VIEW D-D



SECTION E-E

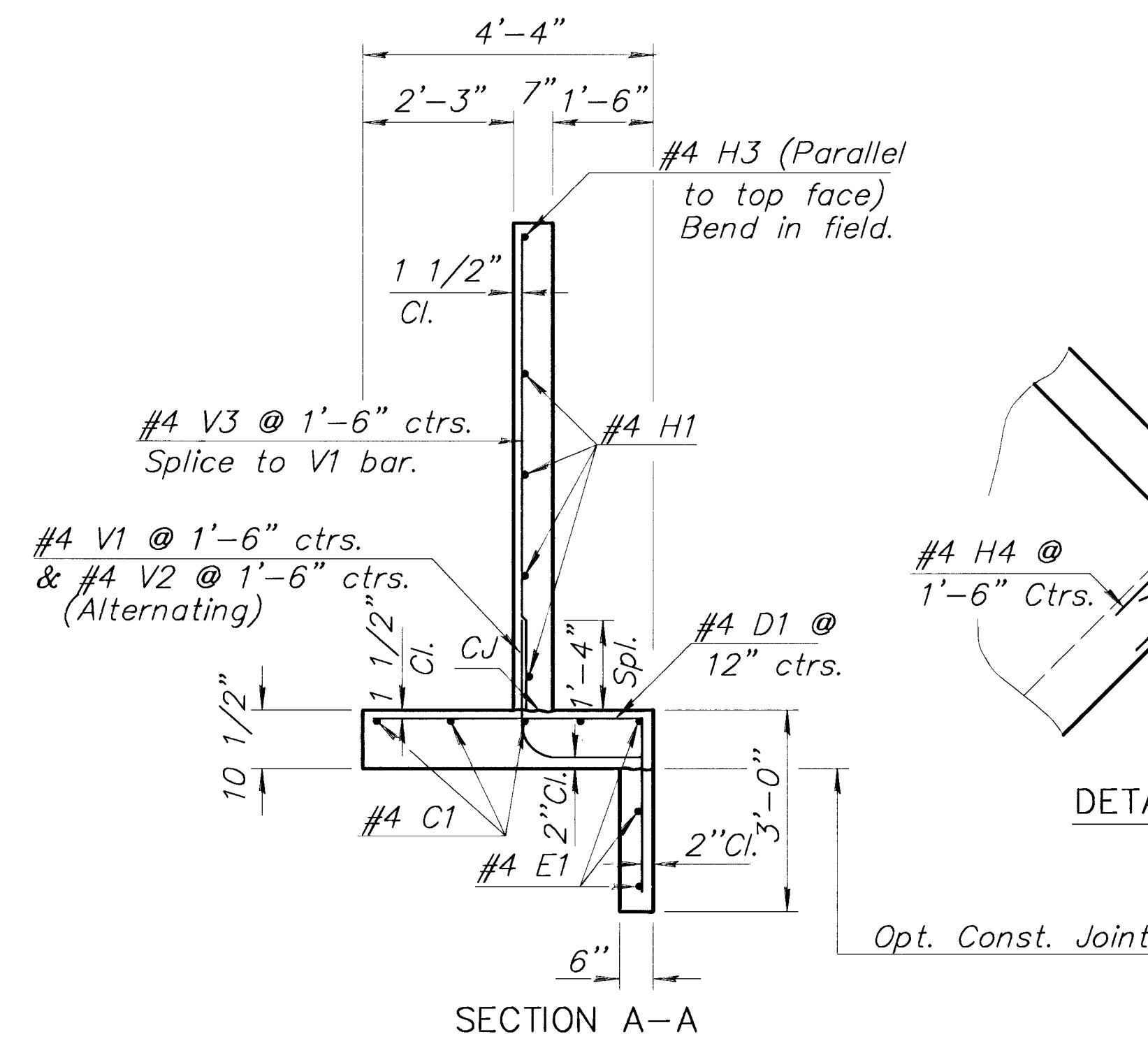


SECTION C-C
(Plan of Footing)

NOTE: Reinforcing Bar List is for both wings at the S.W. end of the box.

* See Bending Diagram

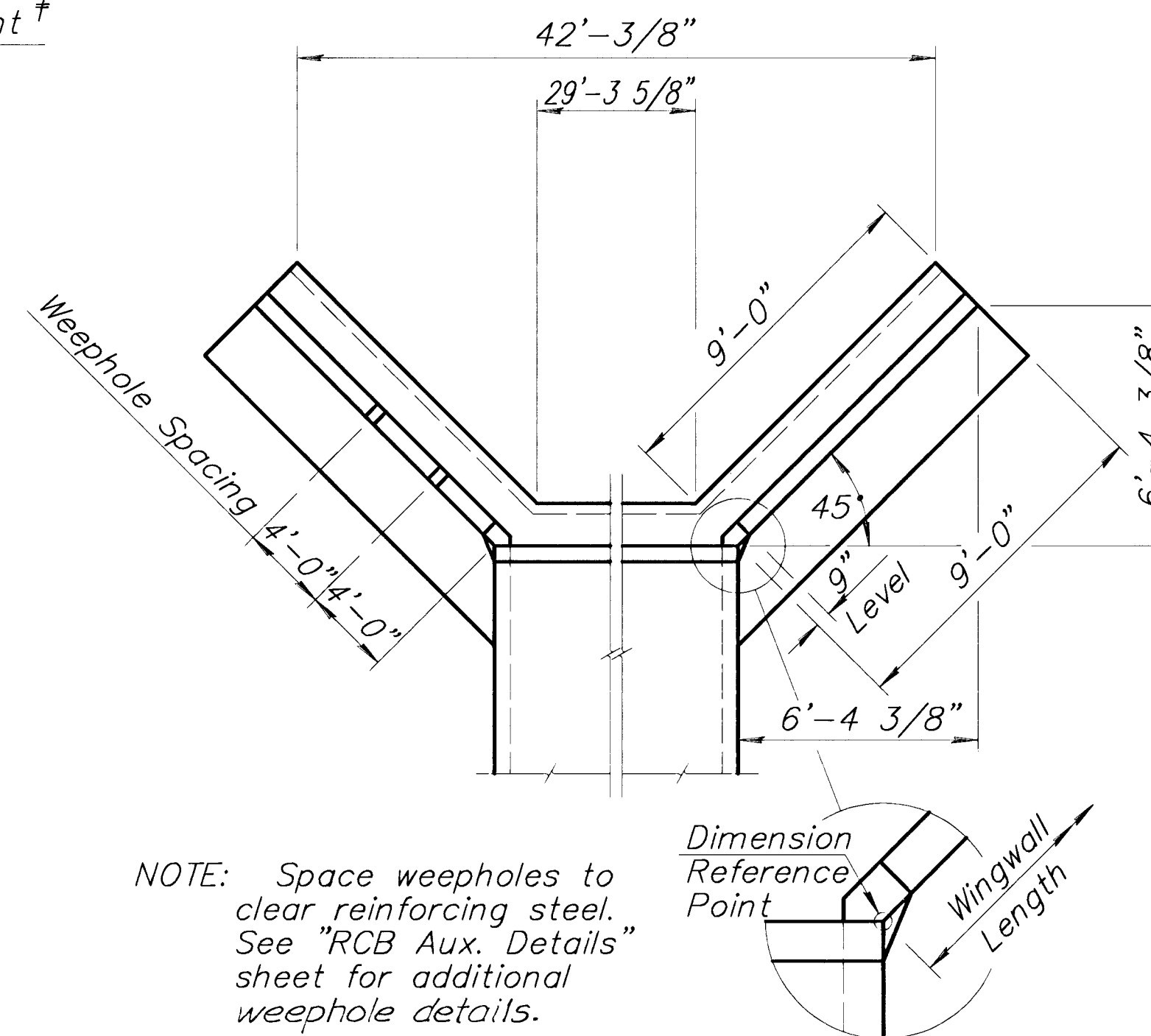
	Mark	#4C1	#4D1	#4E1	#4C2	#4D2	#4E2	#4V1	#4V2	#4V3	#4H1		#4H3	#4H4	#4H5
0° Skew	Number	8	18*	6	1	24*	3*	12*	12*	12	8		2	28*	18
	Length	11'-7"	6'-8"	8'-9"	32'-0"	5'-8"	32'-4"	4'-0"	5'-0"	*	7'-10"		9'-6"	5'-0"	3'-6"



SECTION A-A

See "RCB Aux. Details" sheet for requirements of Wingwall Subbase.

NOTE: Three wingwalls are required, one each at the NW, SW and SE corners of the Triple 10' x 6' RFB Bridge. See Special Wingwall, 6' Rise (0° skew) for the wingwall at the NE corner.

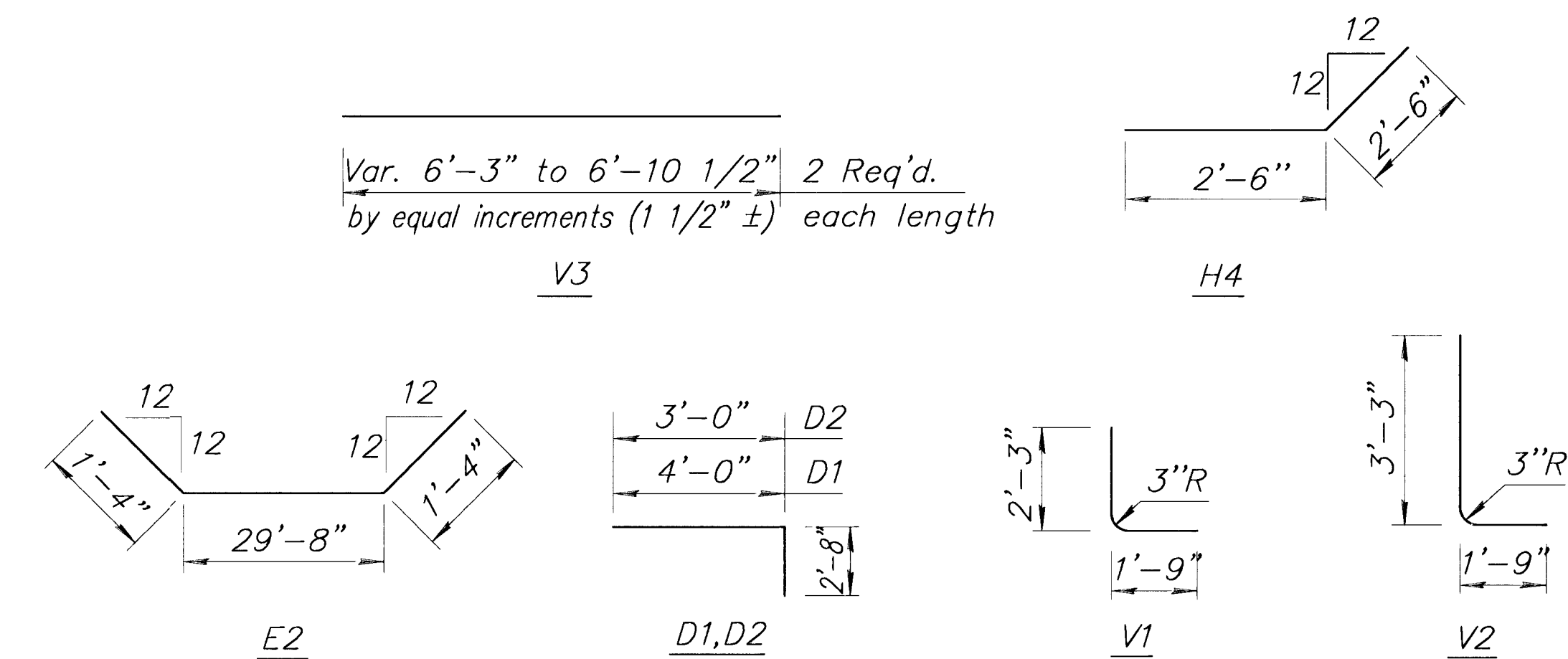


NOTE: Space weepholes to clear reinforcing steel. See "RCB Aux. Details" sheet for additional weephole details.

WING DIMENSIONS FOR NORMAL BOX

Minimum Splice Lengths	
#4	1'-4"
#5	1'-8"
#6	2'-0"

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



BENDING DIAGRAMS

(All dimensions are out to out of bars.)

NO.	DATE	REVISIONS	BY	APP'D

CITY OF WICHITA

STA. 57+50.28
US (Pinecrest)

PROJ. NO. 54-87 K-4445-01		SEDGWICK CO.	
FHWA APPROVAL		6-5-91	APP'D
DESIGNED	MDK	DETAILED	KLH
DESIGN CK.	KJS	DETAIL CK.	MDK
		QUANTITIES	TRACED
		QUAN. CK.	TRACF CK.