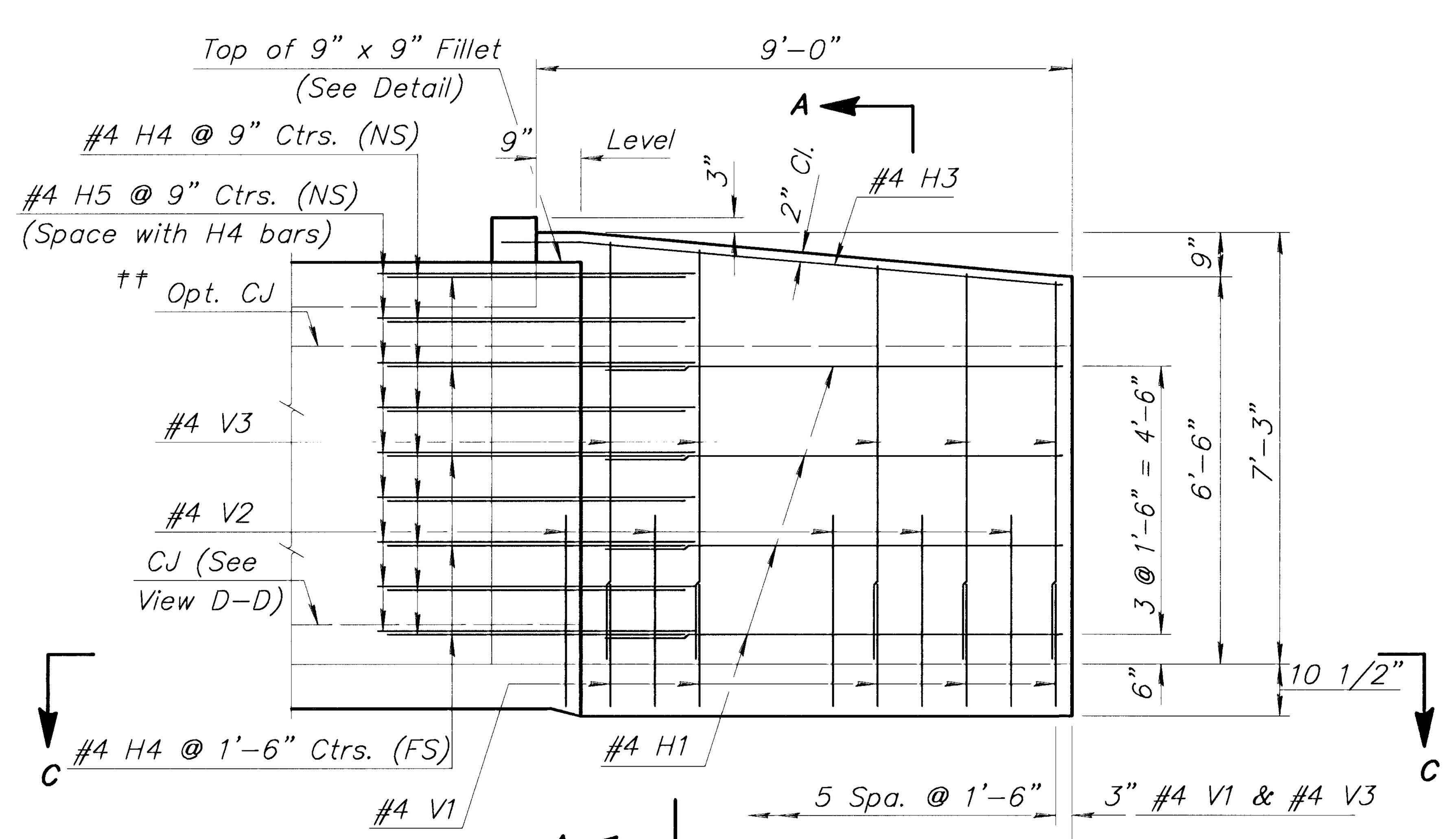
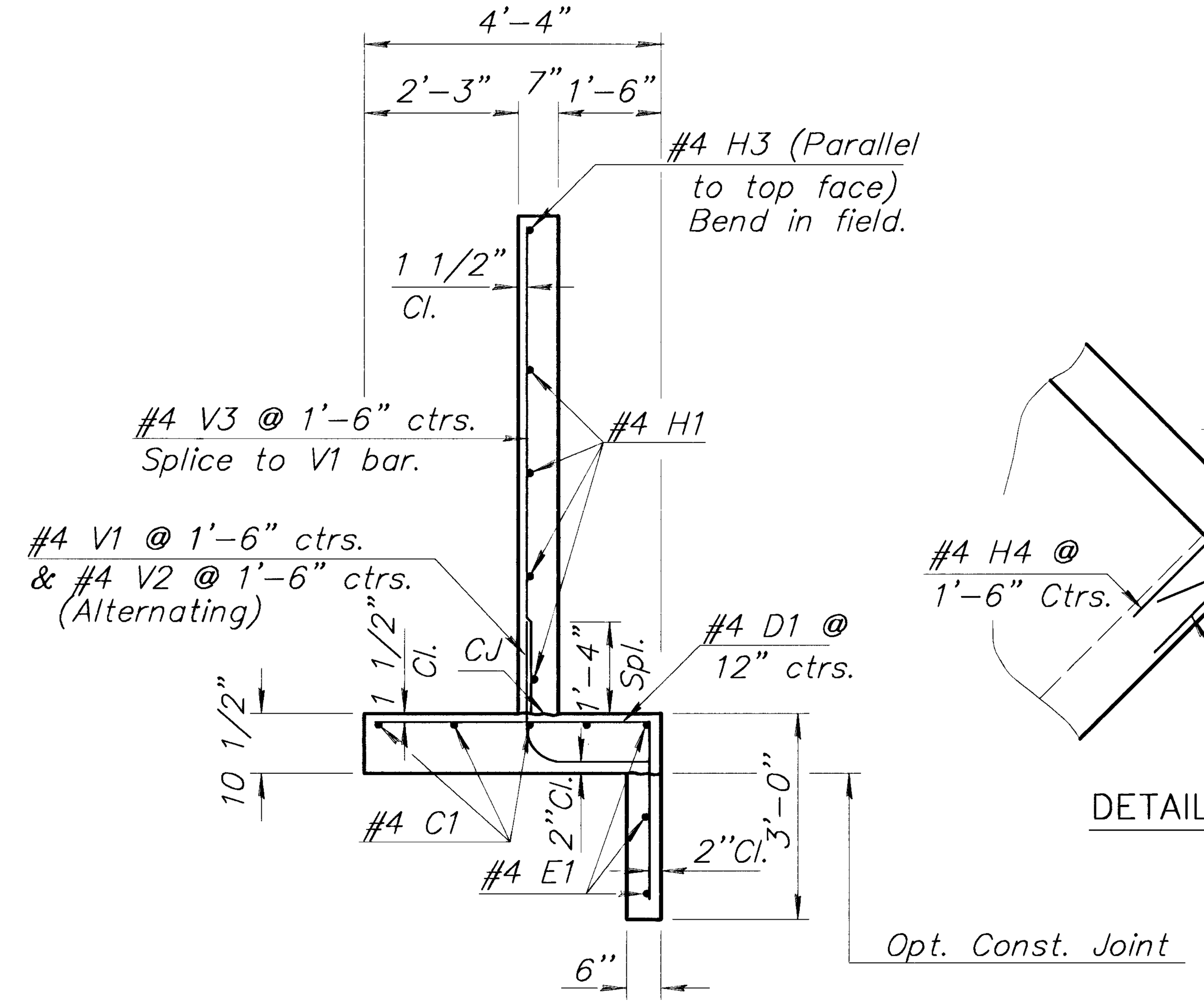
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	54-87 K-4445-01	1996	44	73



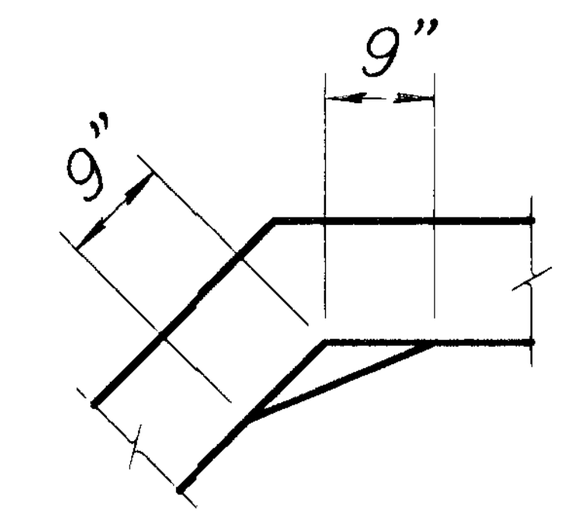
†† See RCB Details for location of construction joint.

ELEVATION OF WINGWALL
(Backface Shown)

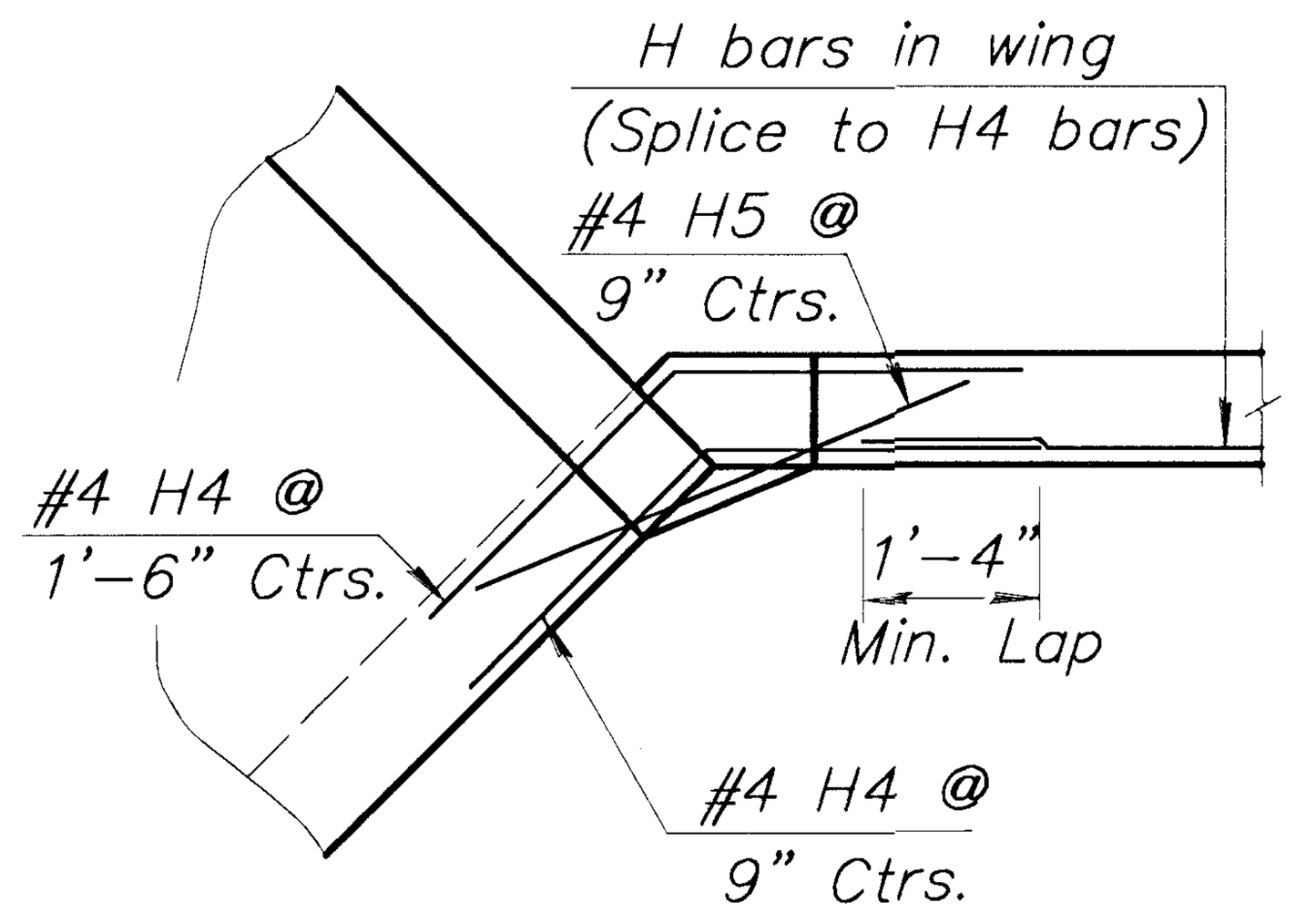


SECTION A-A

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



Fillet Detail



DETAIL OF 9" x 9" FILLET
(Plan View)

GENERAL NOTES

UNIT STRESSES: Class AAA Concrete; f'c = 4,000 p.s.i.
Reinforcing Steel; fy = 60,000 p.s.i.

CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a 3/4 inch triangular moulding.

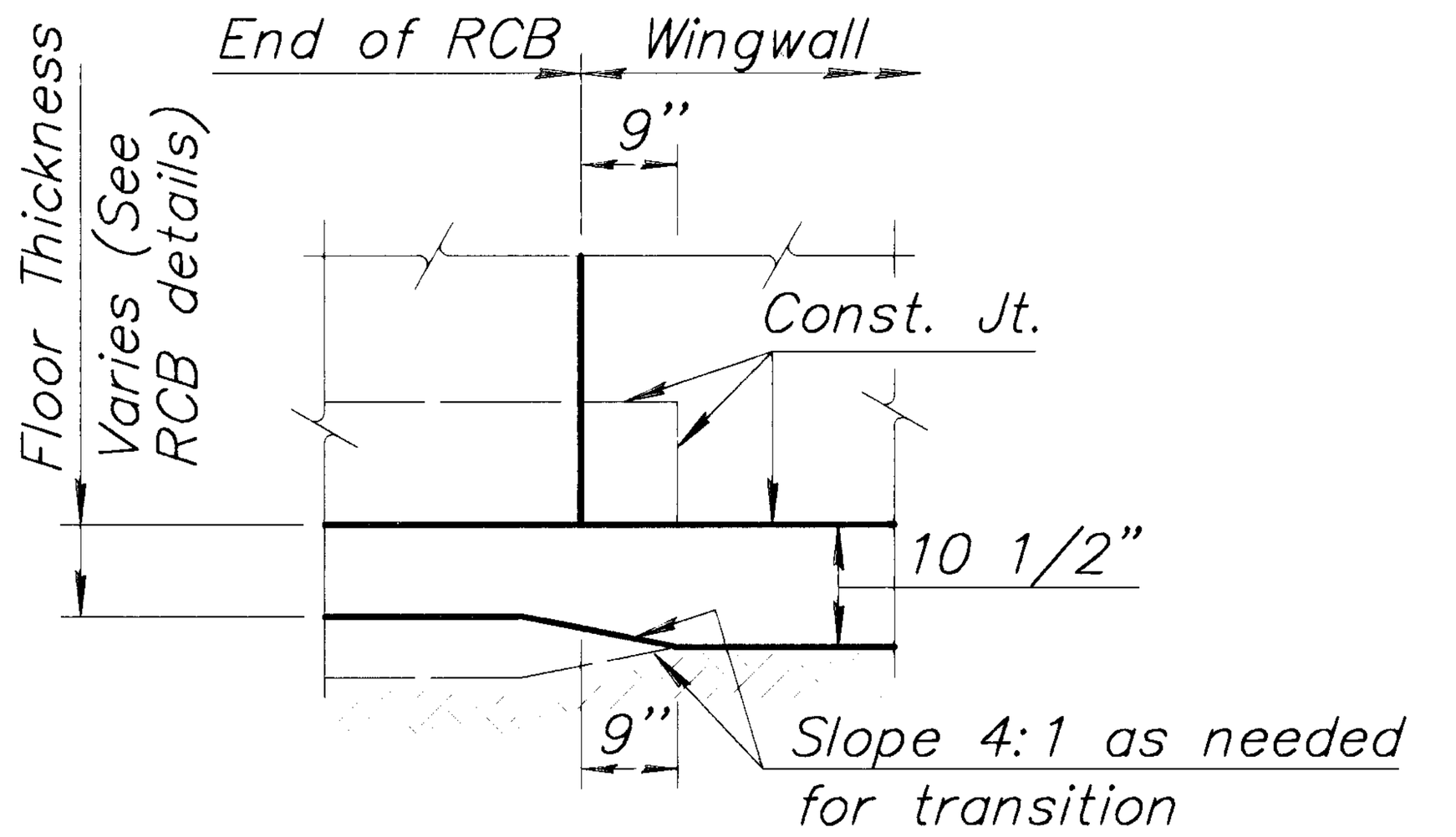
REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60.

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

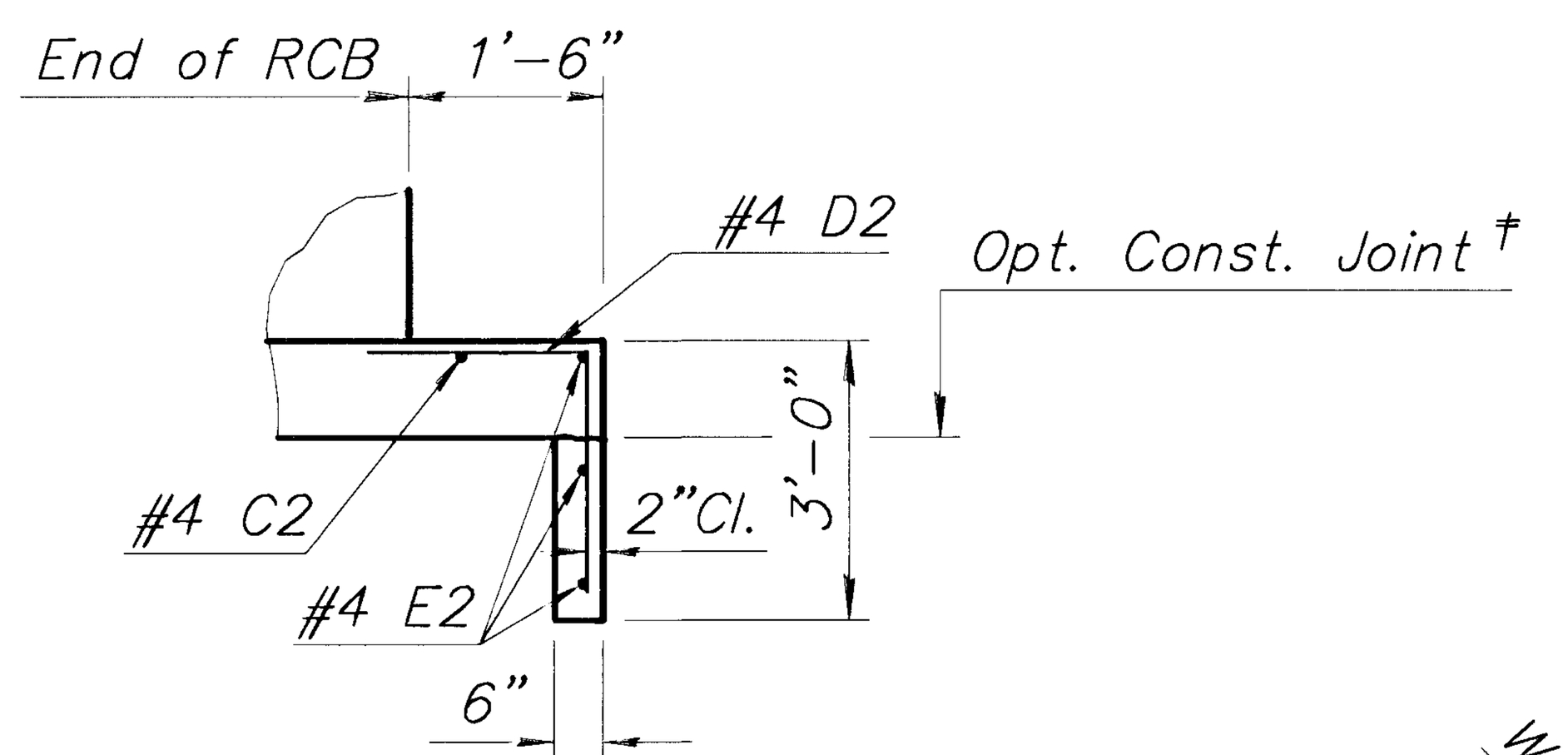
FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for foundation and/or backfill material for wingwalls and will not be used. Where these conditions exist, Foundation Stabiliation and/or Granular Backfill (Wingwalls) shall 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	℄ 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 ℄ Pipe with outside face of R.C.B. wall, referenced to ℄ E.B.D.C. See Sheet 46 for Wall Opening Details for Storm Pipes.

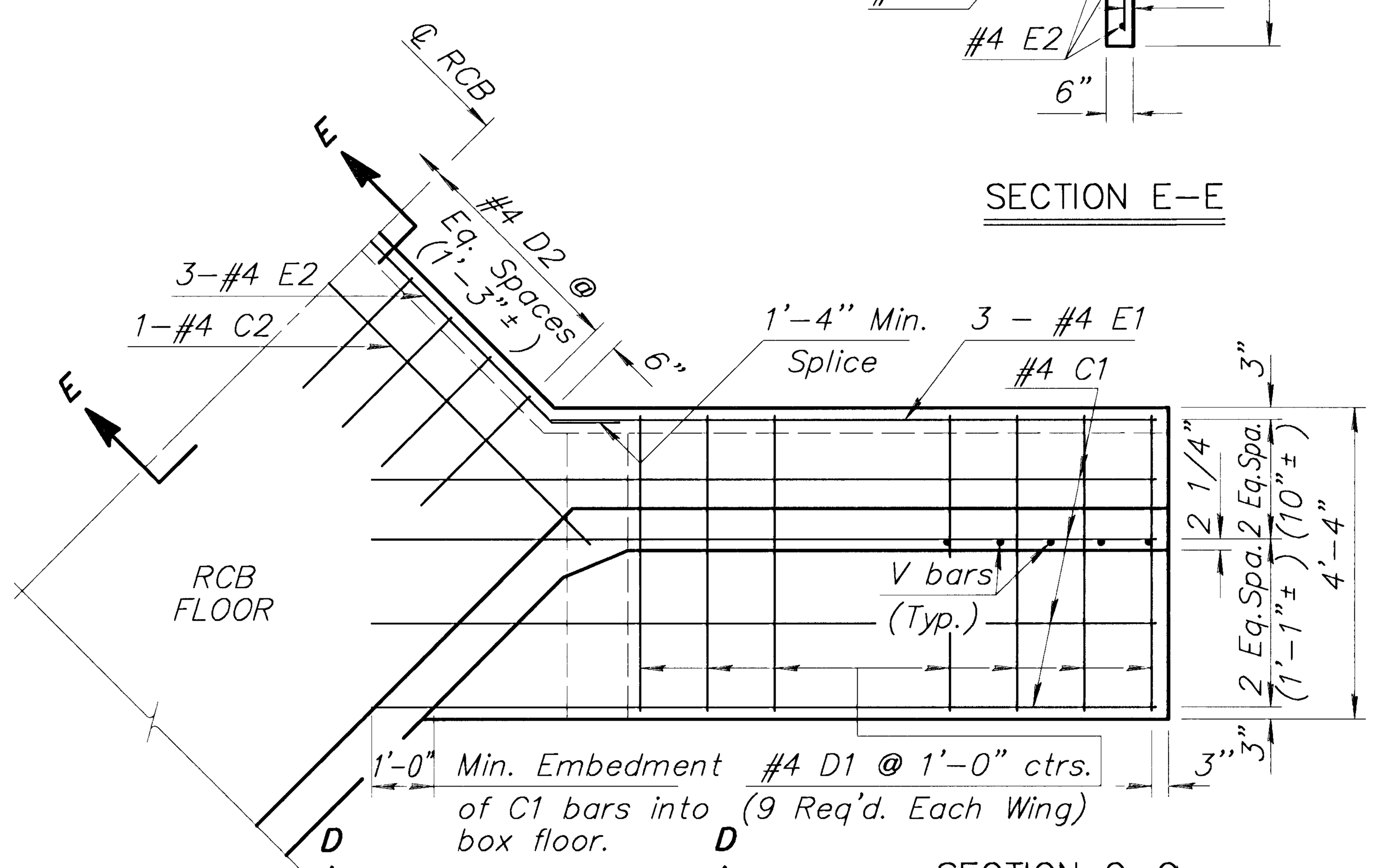


VIEW D-D

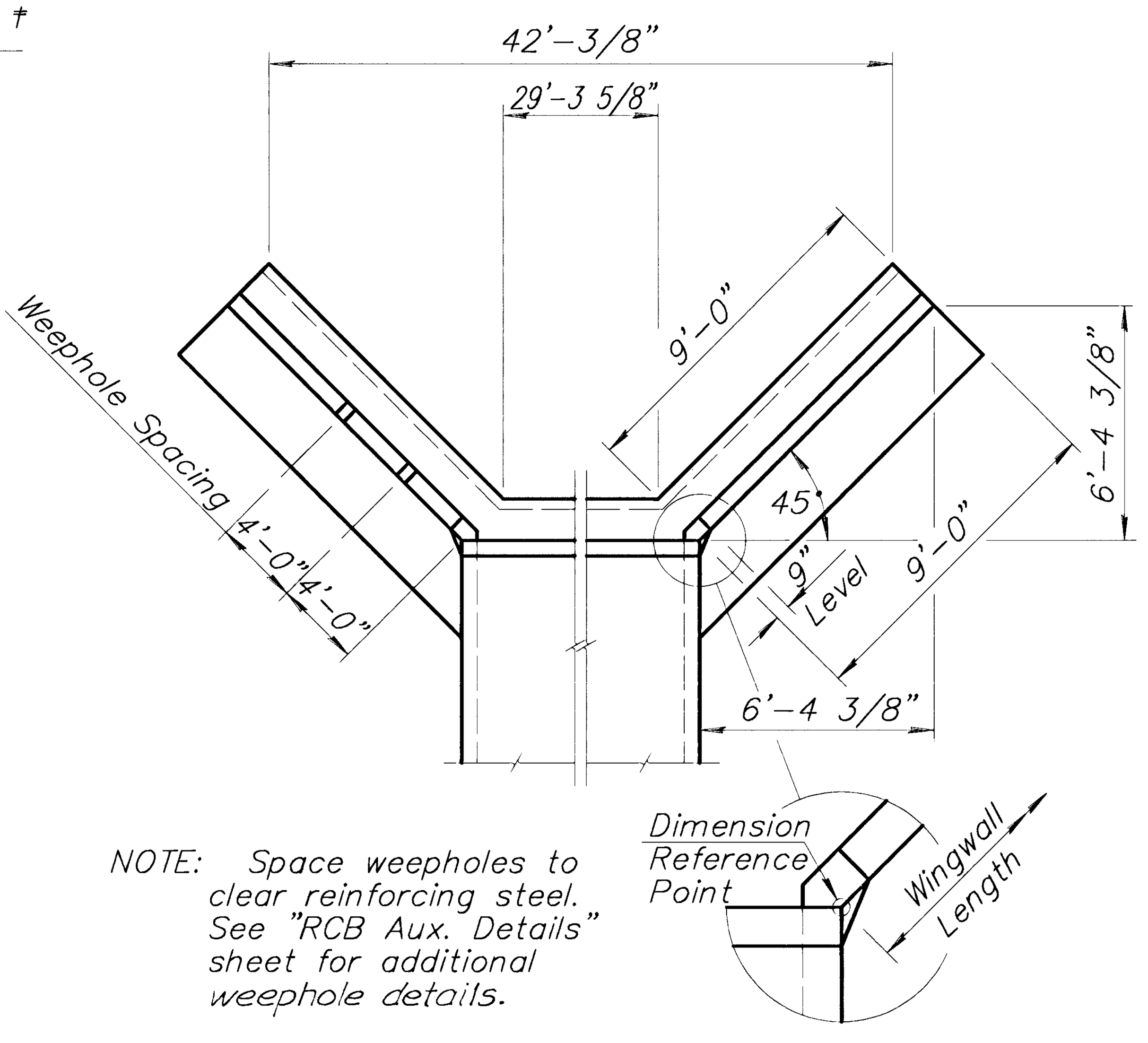


SECTION E-E

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.

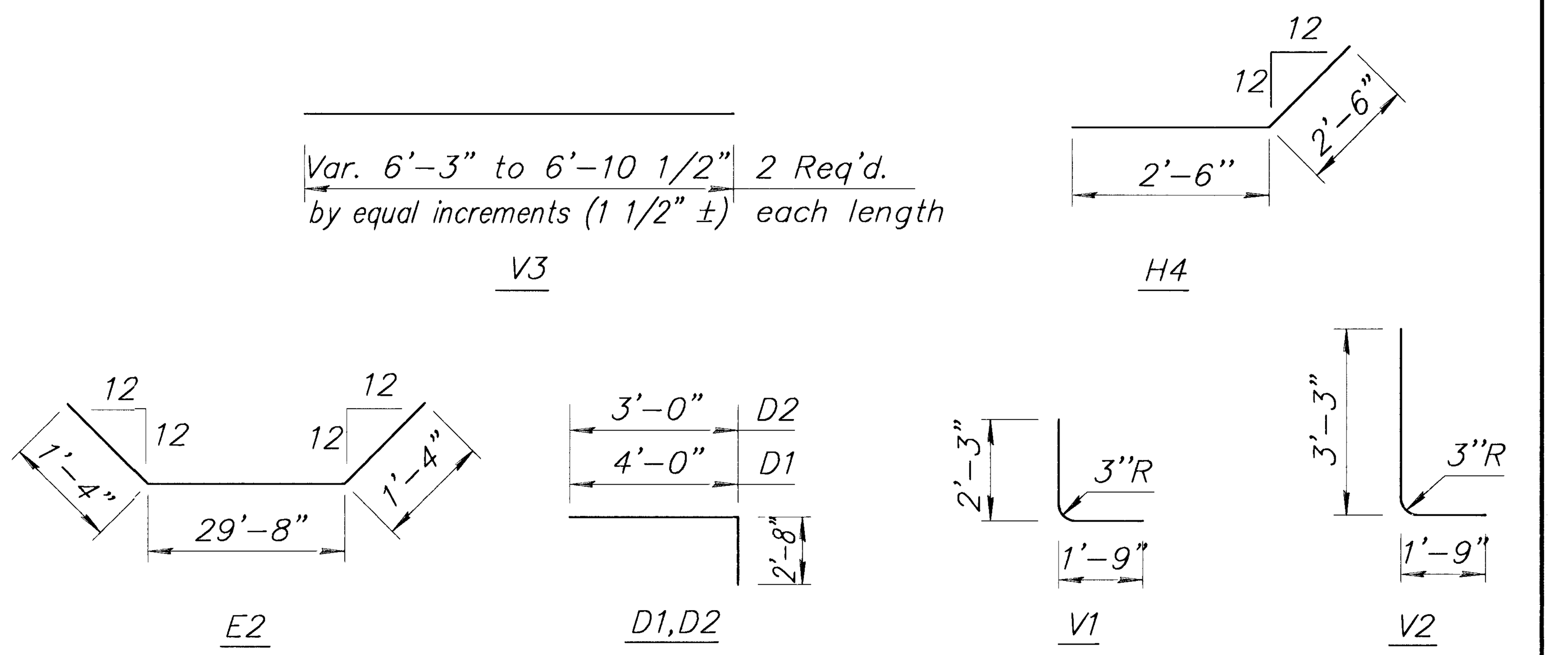


SECTION C-C
(Plan of Footing)



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

WING DIMENSIONS FOR NORMAL BOX



BENDING DIAGRAMS
(All dimensions are out to out of bars.)

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"

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.

WINGWALL QUANTITIES (S.W. End Only, both wings)		
Class AAA Concrete	8.5	CY.
Reinforcing Steel	670	Lbs.

NO.	DATE	REVISIONS	BY	APP'D

CITY OF WICHITA

STA. 57+50.28 (Pinecrest)

FLARED WINGWALLS
6 FT. RISE (0° SKEW)

PROJ. NO. 54-87 K-4445-01 SEDGWICK CO.

FHWA APPROVAL		6-5-91	APP'D		
DESIGNED	MDK	DETAILED	KLH	QUANTITIES	TRACED
DESIGN CK.	KJS	DETAIL CK.	MDK	QUAN.CK.	TRACE CK.

ORIG. FROM: BR.NO.	PROJ.	CO.
DESIGN		CHECK
DESIGN	DATE	DATE
DETAIL	DATE	DATE
QUANTITIES	DATE	DATE
TRACING	DATE	DATE
RETRACED	DATE	DATE