

GENERAL NOTES

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

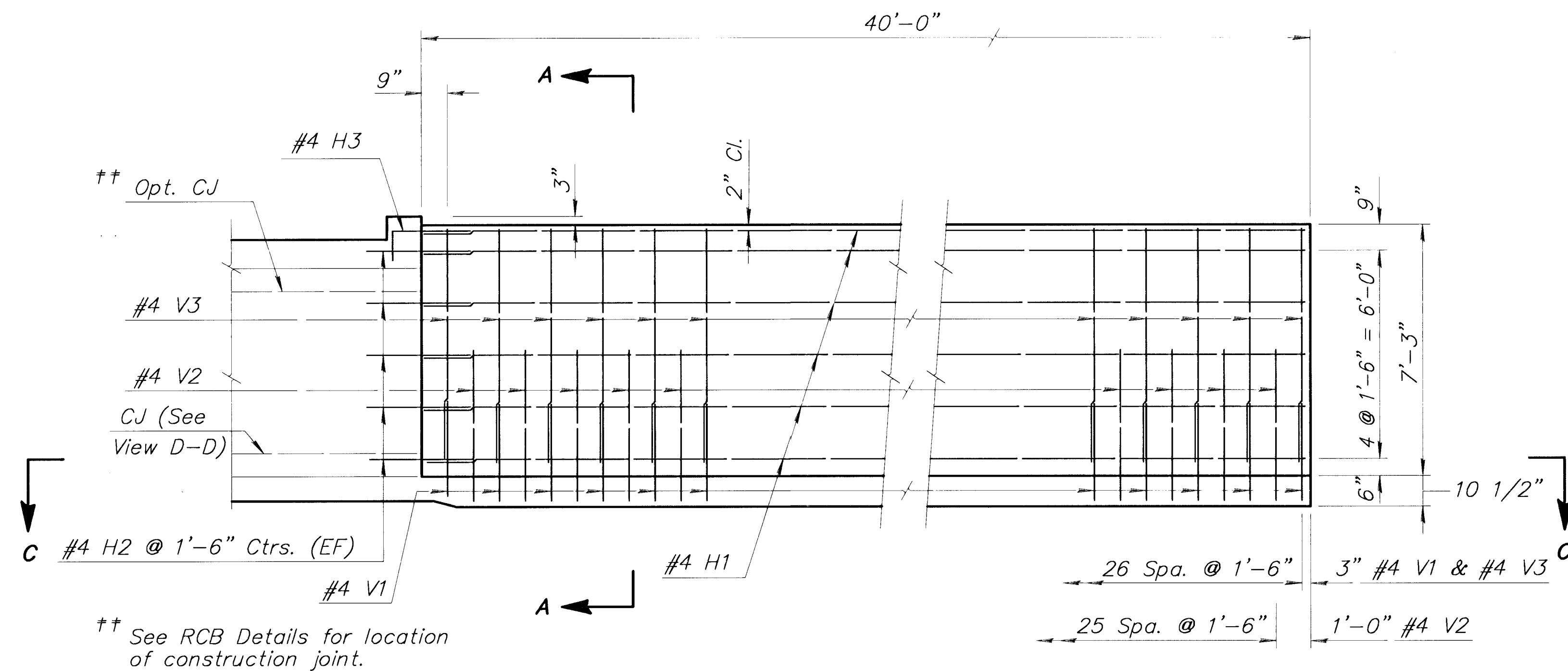
CONCRETE: Class AAA Concrete shall be used throughout. Bevel all exposed edges with a $\frac{3}{4}$ inch triangular moulding.

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

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.

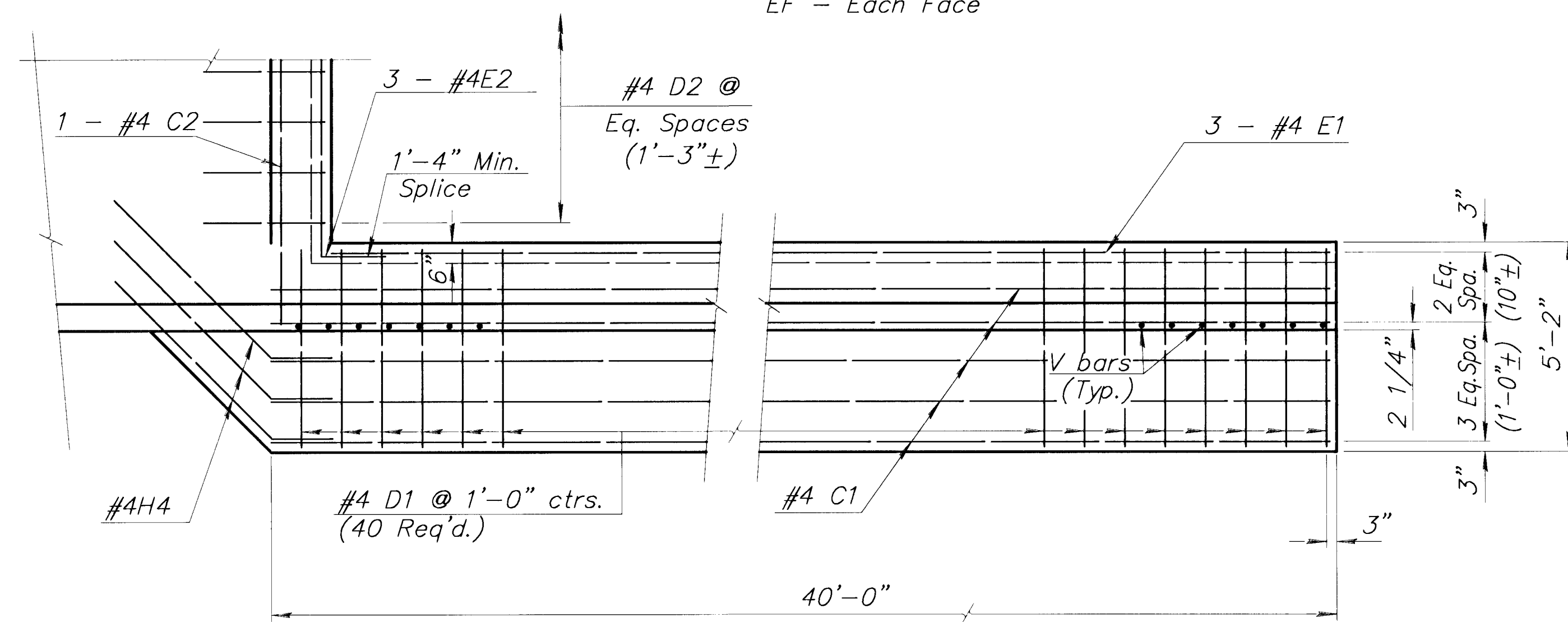
NOTE: See Sheet No. 44 for Flared Wingwalls, 6 ft. Rise (0° Skew) for N.W. Corner Wing details.



ELEVATION OF WINGWALL

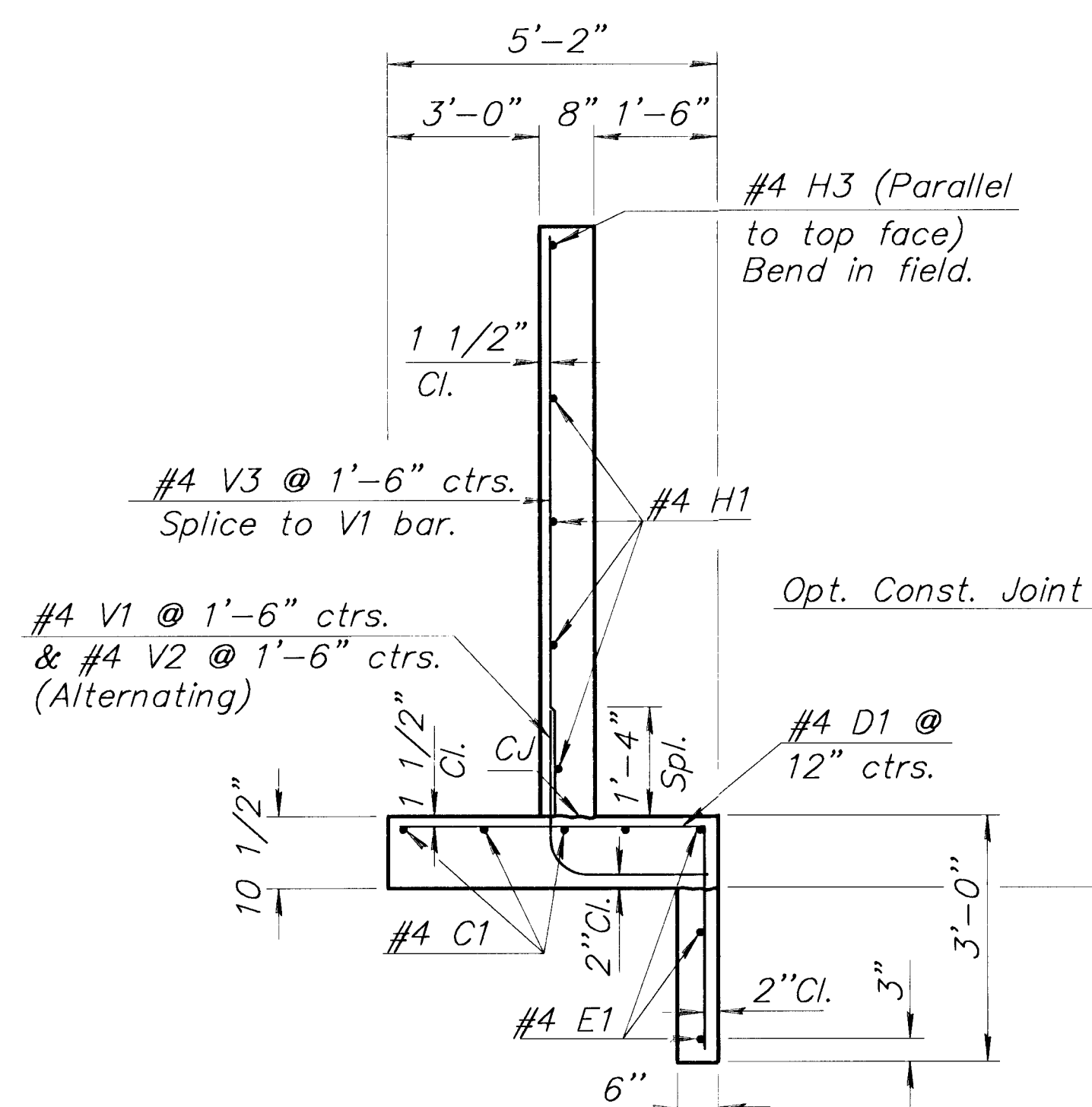
(Backface Shown)

EF - Each Face



SECTION C-C

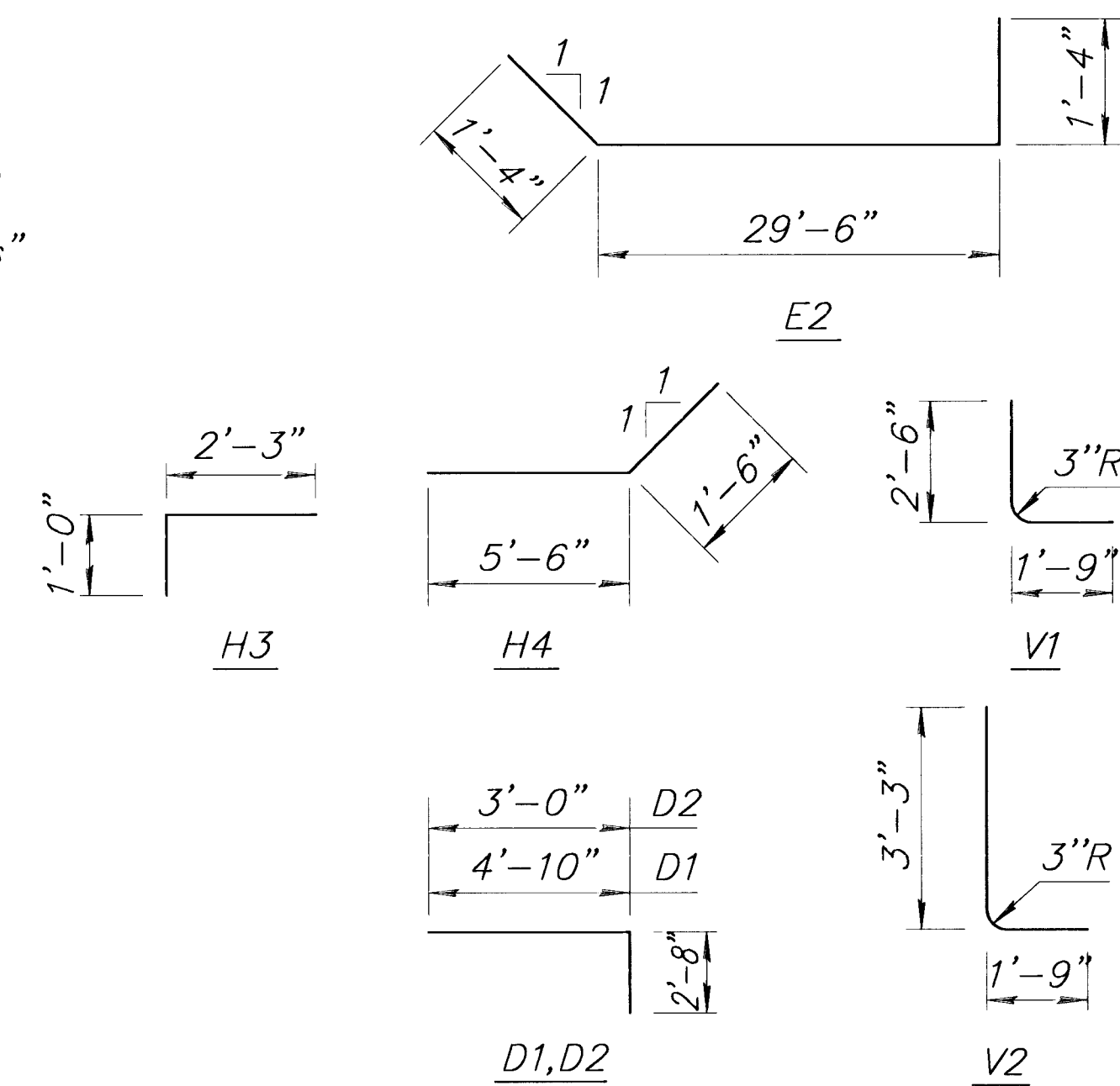
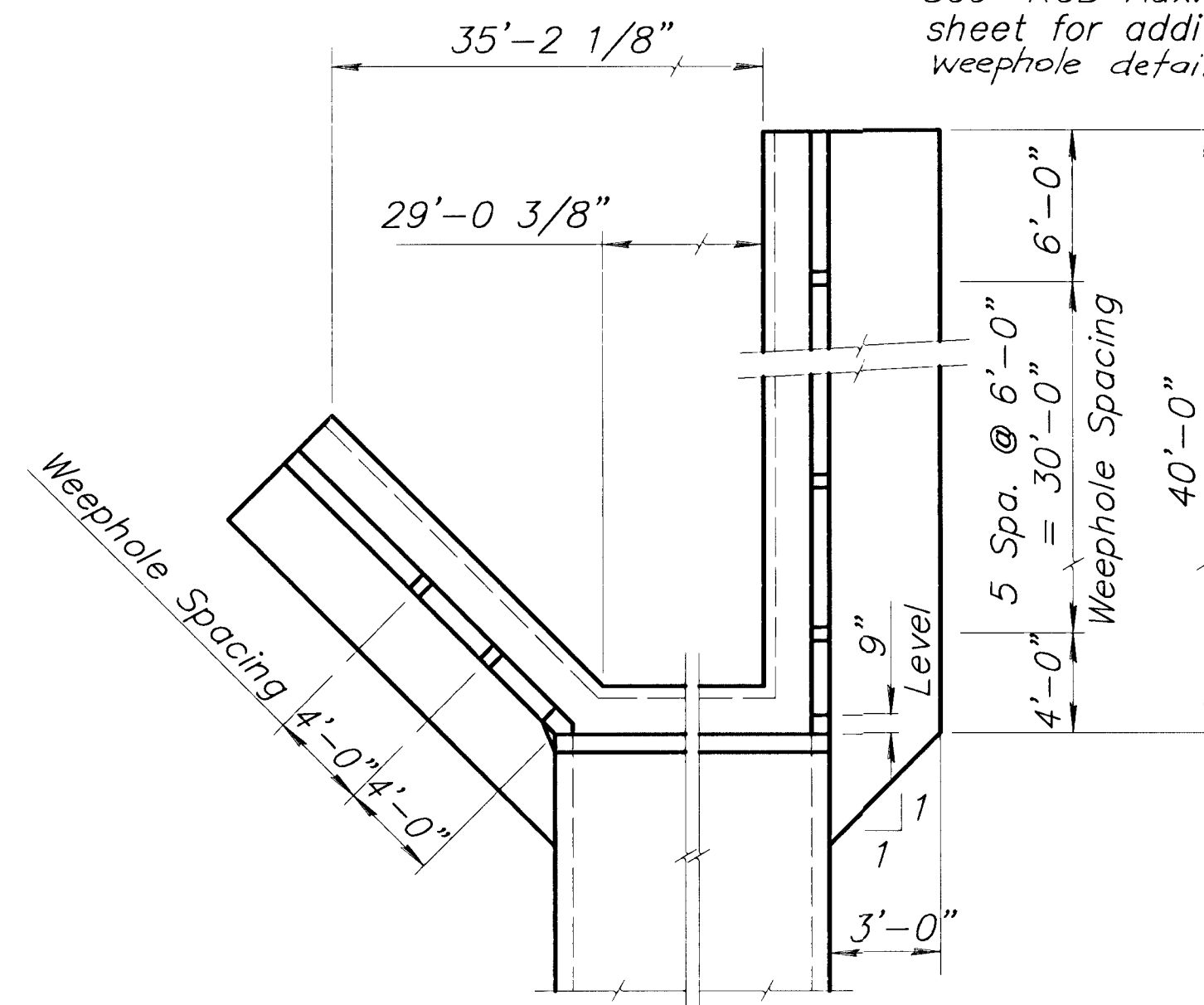
(Plan of Footing)



SECTION A-A

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

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



BENDING DIAGRAMS

(All dimensions are out to out of bars.)

NOTE: Reinforcing Bar List is for the wingwall at the N.E. corner.

Mark	#4C1	#4D1	#4E1	#4C2	#4D2	#4E2	#4V1	#4V2	#4V3	#4H1	#4H2	#4H3	#4H4
0° Skew Number	4	40*	3	1	24	3	27*	26*	27	6	10	1	3
Length	40'-0"	7'-6"	38'-8"	32'-0"	5'-8"	32'-2"	4'-3"	5'-0"	6'-10"	39'-10"	3'-0"	3'-3"	7'-0"

* See Bending Diagram

NOTE: Reinforcing Bar List is for the wingwall at the N.W. corner.

Mark	#4C1	#4D1	#4E1	#4V1	#4V2	#4V3	#4H1	#4H3	#4H4	#4H5
0° Skew Number	4	9 ‡	3	6 ‡	6 ‡	6 ‡	4	1	14	9
Length	11'-7"	6'-8"	8'-9"	4'-0"	5'-0"	‡	7'-10"	9'-6"	5'-0"	3'-6"

‡ See Bending Diagram on Sheet No. 44

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	
(N.E. End Only, both wings)	
Class AAA Concrete	21.0 CY.
Reinforcing Steel	1,710 Lbs.

NO.	DATE	REVISIONS	BY	APP'D
CITY OF WICHITA				
STA. 57+50.28				
SPECIAL WINGWALL (Pinecrest)				
6' RISE (0° SKEW)				
PROJ. NO. 54-87 K-4445-01			SEDGWICK CO.	
DESIGNED	MDK	DETAILED	MDK	QUANTITIES
DESIGN CK.	KJS	DETAIL CK.	MDK	QUAN. CK.
			TRACED	TRACE CK.