

GENERAL NOTES

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

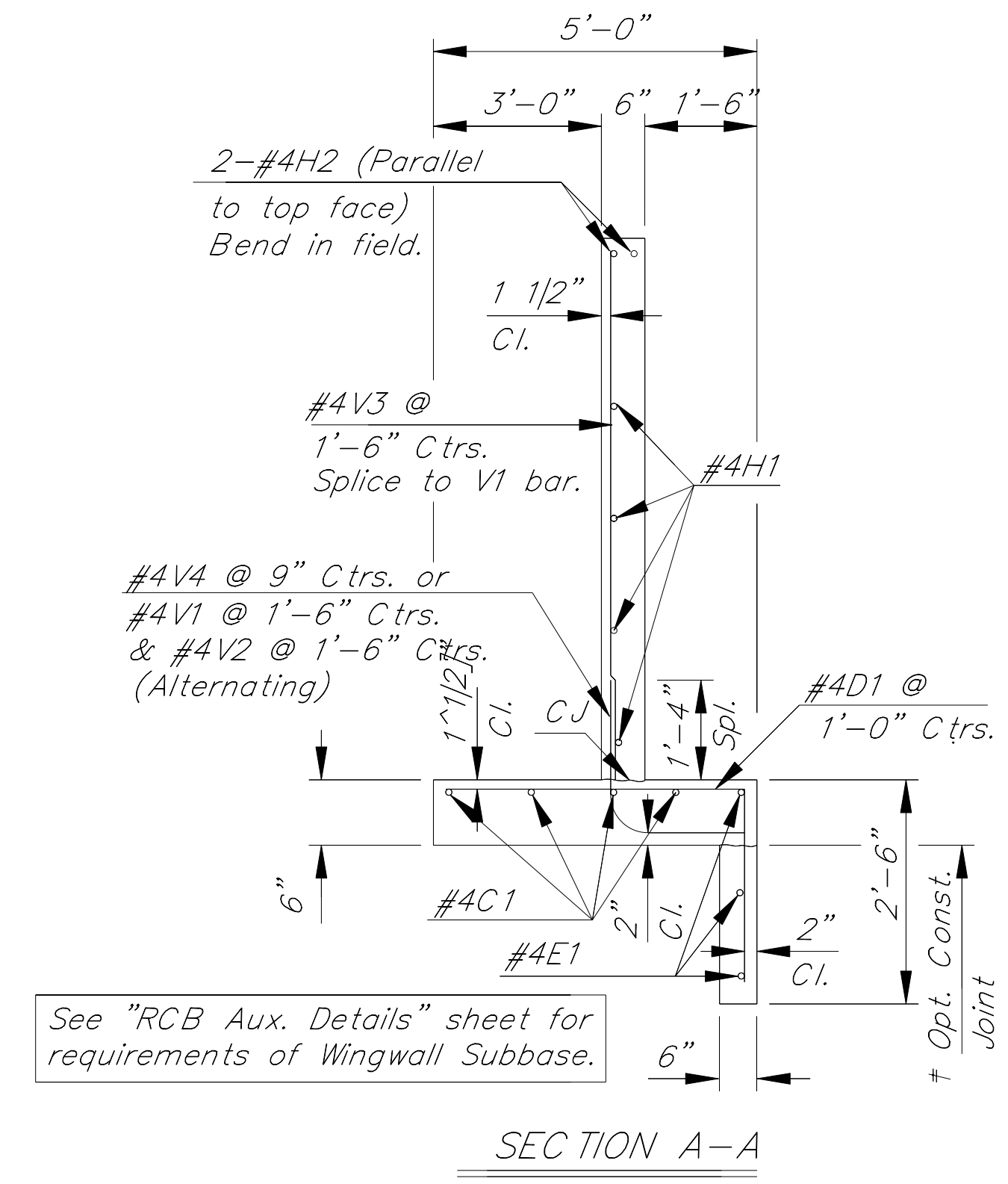
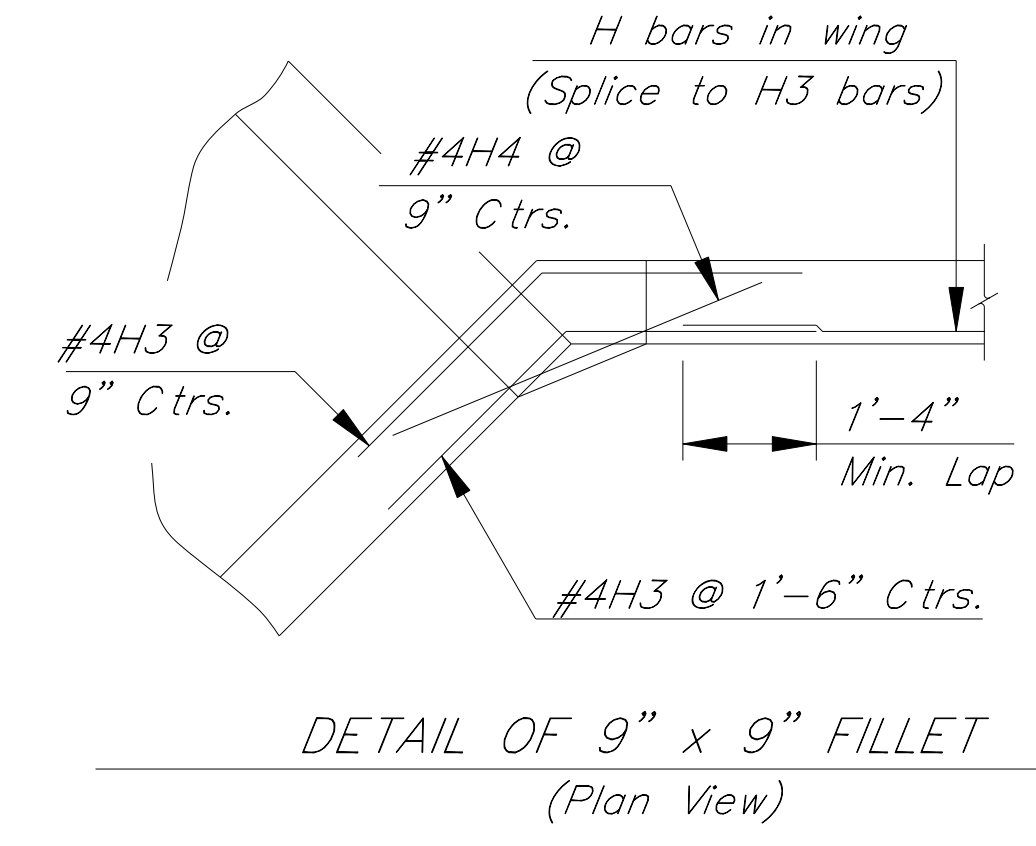
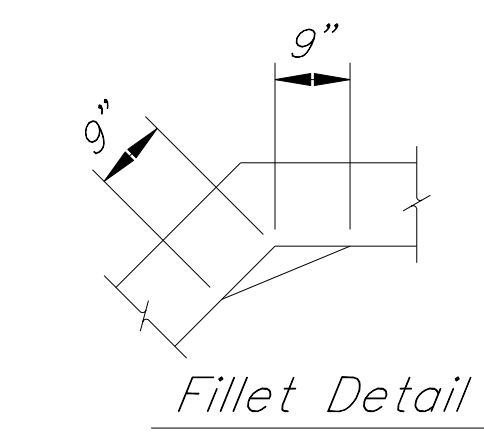
CONCRETE: Class AAA Concrete shall be used throughout.
Bevel all exposed edges with a 3/4 inch triangular moulding.

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

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

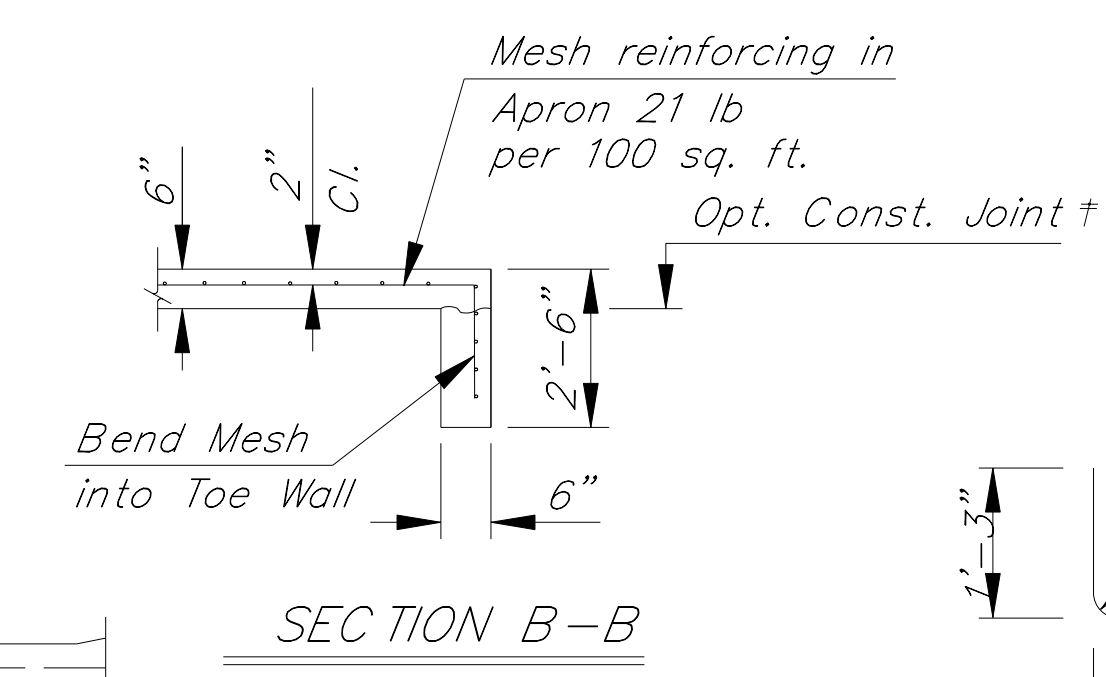
APRON: A 6" concrete slab shall be constructed between the downstream wings in locations subject to scour only when specified on the plans or by the Engineer. Wire Reinforcing mesh shall be electrically welded and shall be composed of 6x6-W1.4xW1.4 welded wire fabric and shall be classified as pounds 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. See "RCB Auxiliary Details" sheet for additional details.

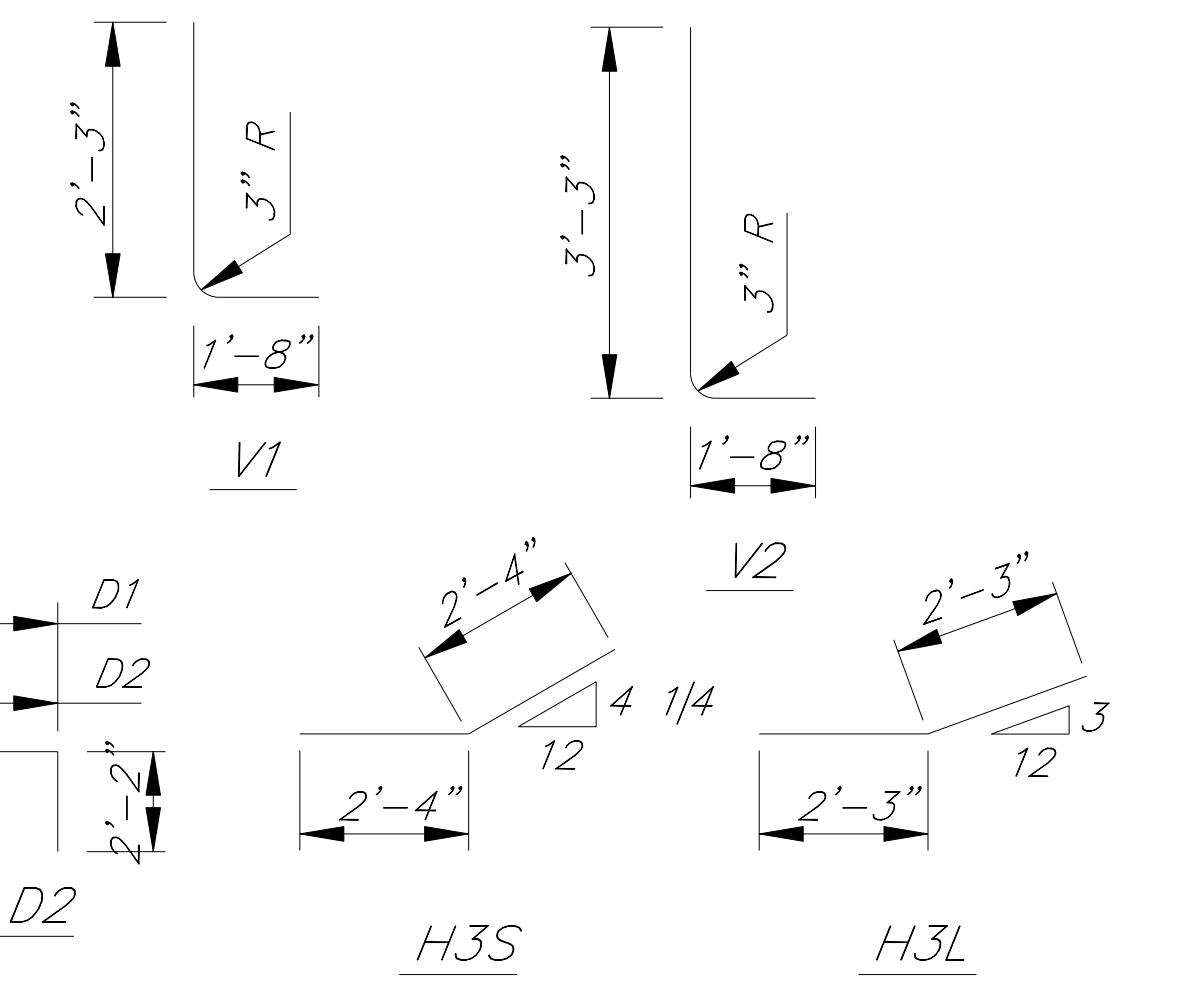


† NOTE: Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.

NOTE:
EF = Each Face
NS = Near Side
FS = Far Side
CJ = Const. Joint



H1S	Var. 2'-7" to 7'-11"	1 Req'd.
	by 21 1/3" Increments	each length
H1L	Var. 3'-8" to 11'-3"	1 Req'd.
	by 30 1/3" Increments	each length
V3S	Var. 2'-7" to 5'-10"	1 Req'd.
	by 13" Increments	each length
V3L	Var. 1'-11" to 6'-3"	1 Req'd.
	by 8 2/3" Increments	each length

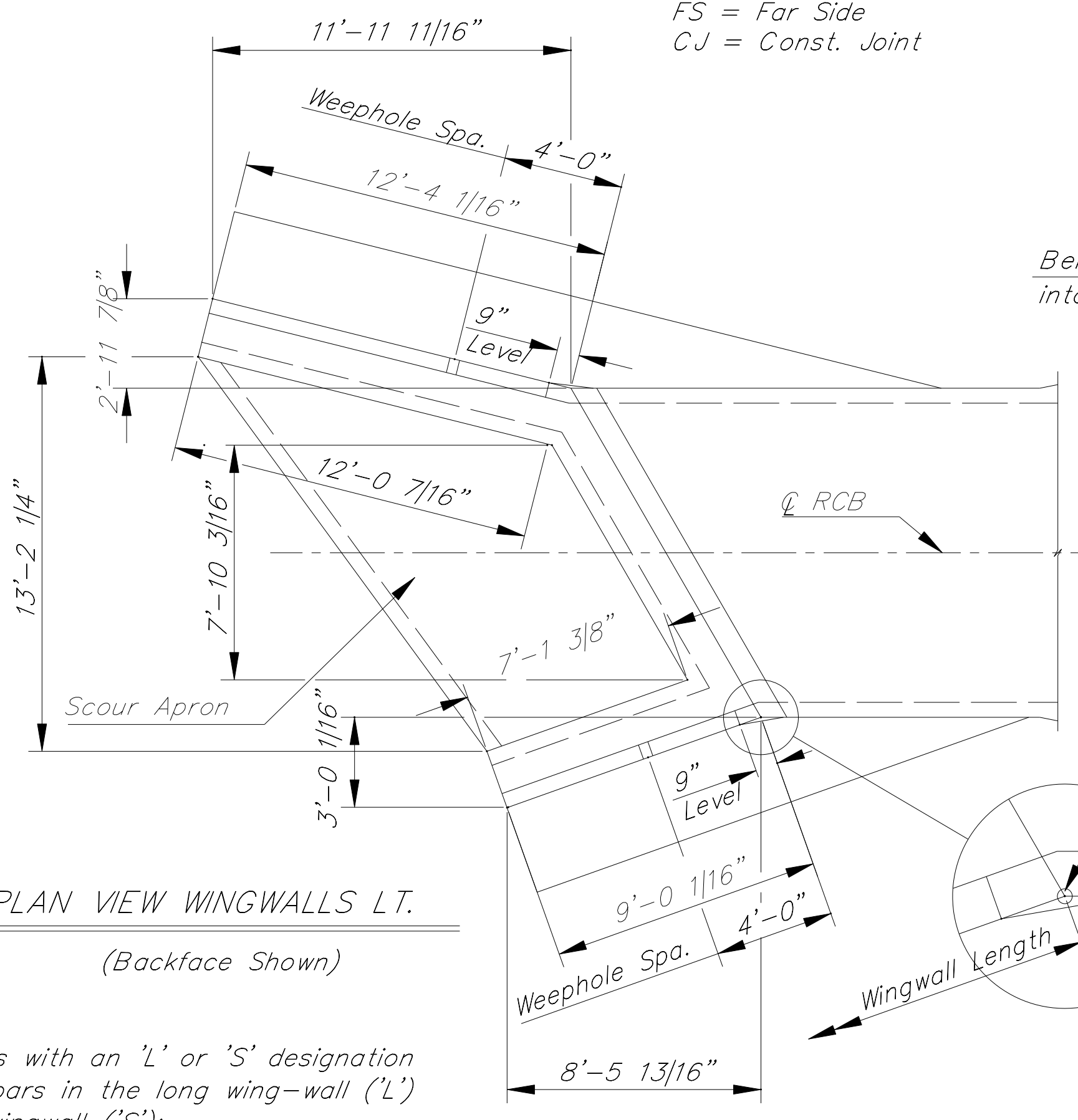
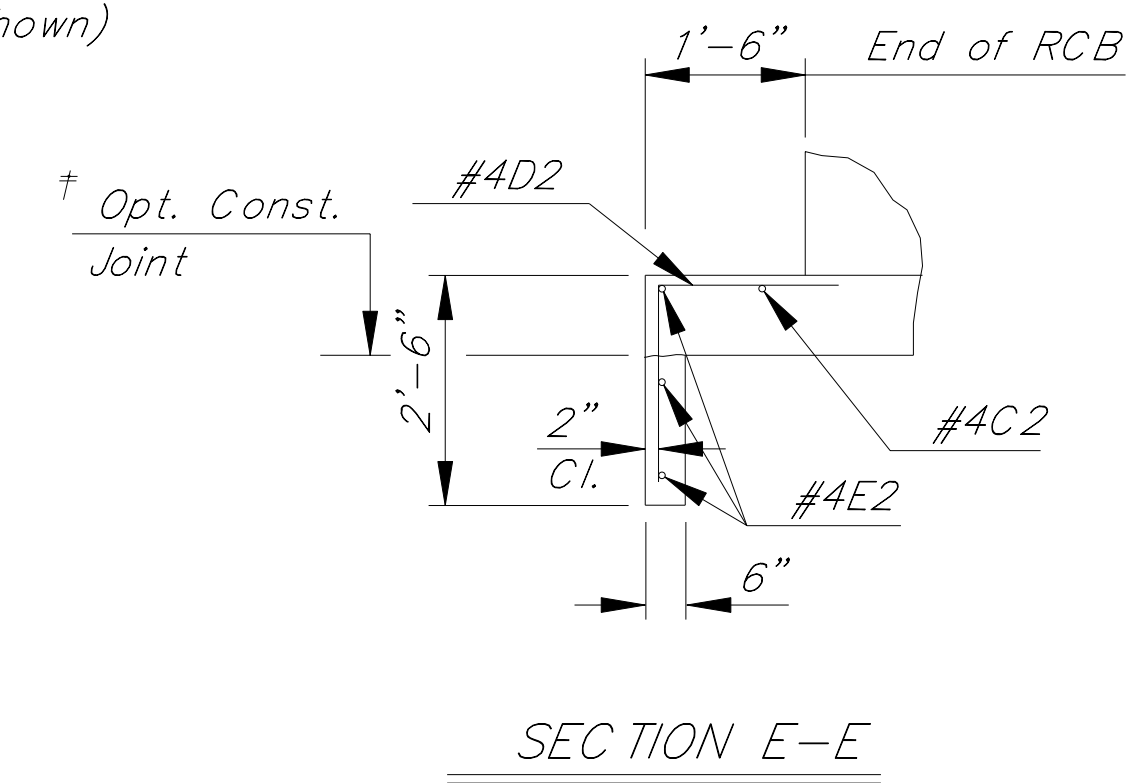
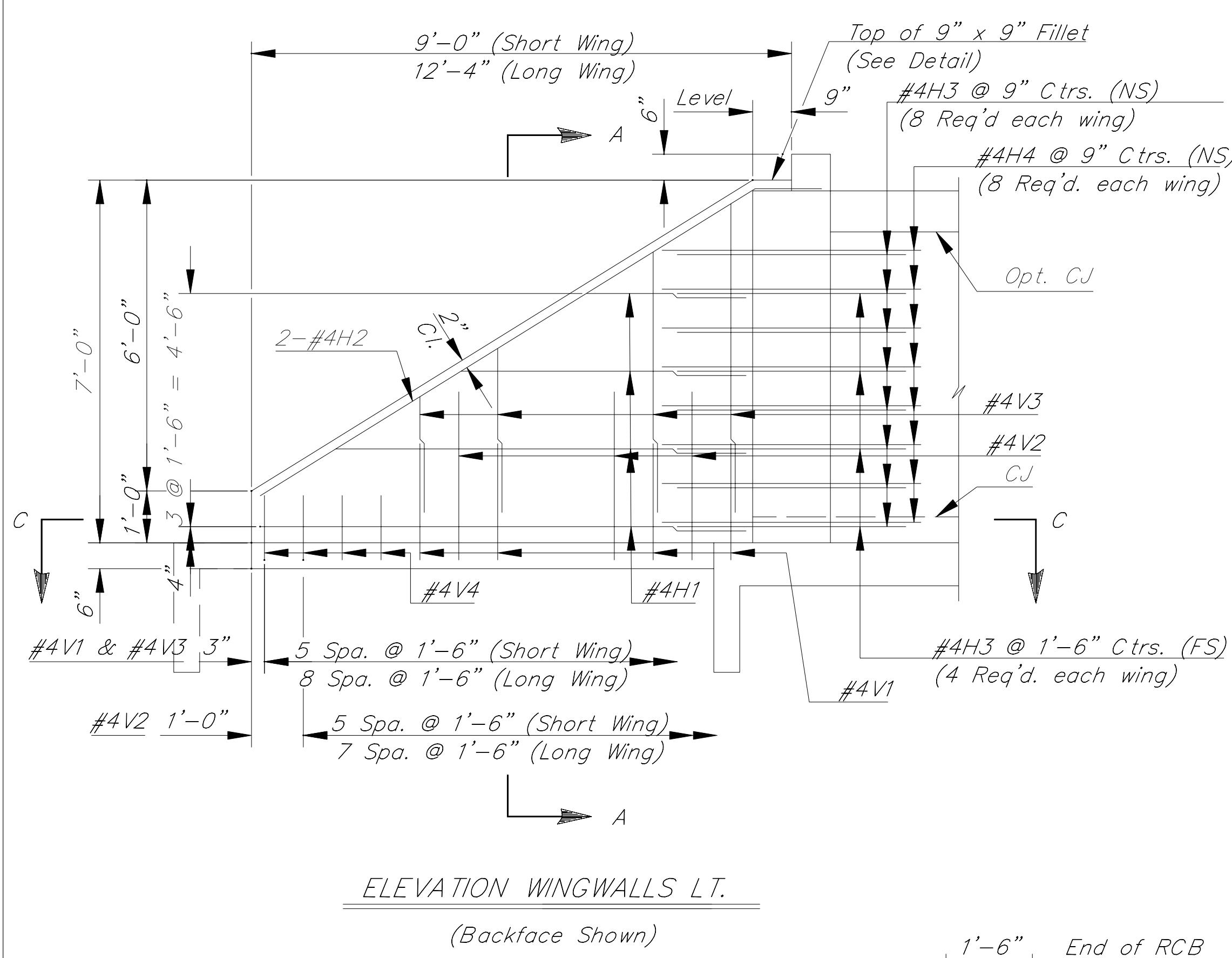


BENDING DIAGRAM
(All dimensions are out to out of bars.)

WINGWALL QUANTITIES	INLET
Class AAA Concrete:	
Wingwalls	5.6 C.Y.
Apron	2.4 C.Y.
Soil Saver	0.0 C.Y.
Reinforcing Steel	
	613.56 Lbs.
* Welded Wire Fabric	
	26 Lbs.

* Subsidiary to Other Items

CITY OF WICHITA
JAMES ARMOUR, P.E., CITY ENGINEER
GYPSUM CREEK
FLARED WINGWALLS
6' Rise (30° Skew Rt.)
CITY OF WICHITA PROJECT NO. 468-82473
PB PARSONS BRINCKERHOFF
Wichita, Kansas



Note: Bars with an 'L' or 'S' designation identifies bars in the long wing-wall ('L') or short wingwall ('S'); ie. #4H2L, #4H2S, etc.

* See Bending Diagram

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

		INLET END																				
30° Skew	Mark	#4C1S	#4C1L	#4C2	#4D1	#4D2	#4E1S	#4E1L	#4E2	#4H1S	#4H1L	#4H2S	#4H2L	#4H3S	#4H3L	#4H4S	#4H4L	#4V1	#4V2	#4V3S	#4V3L	#4V4
	Number	4	4	1	23	7	3	3	3	4	2	2	2	12	12	8	8	11	10	4	7	8
	Length	17'-7"	24'-3"	12'-0"	6'-10"	5'-2"	7'-3"	12'-1"	12'-2"	*	*	10'-7"	14'-2"	4'-8"	4'-6"	4'-5"	5'-7"	3'-11"	4'-11"	*	*	2'-11"

K:\32158A\CADD\SHEETS\DRAINAGE\20 rcbw.dgn SURV. JG, CP, PLOT CADD DES. TR. CKD. APP. Last Plot-Date: 11/17/99