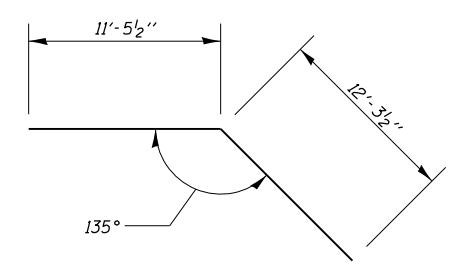
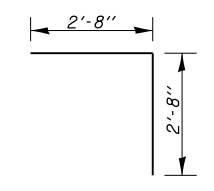


DESIGN STRESSES
 $f_y = 60,000 \text{ psi}$
 $f_c' = 3,500 \text{ psi}$

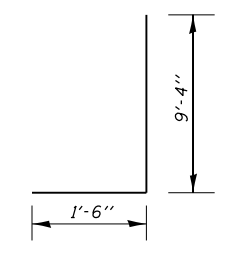
HALF SIDE ELEVATION



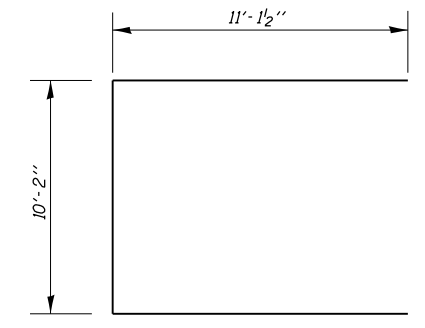
Bar h(E)



Bar d(E)



Bar v1(E)



Bar s(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b(E)	32	#4	20'-3 1/2"	—
d(E)	52	#4	5'-4"	J
h(E)	4	#4	23'-9"	—
h1(E)	16	#4	10'-3"	—
s(E)	8	#4	32'-5"	⌈
v1(E)	52	#4	10'-6"	⌋
Concrete Box Culverts			Cu. Yd.	31.9
Reinforcement Bars, Epoxy Coated			Pound	1330

Reinforcement bars designated (E) shall be epoxy coated.
 *Cut or bend to fit.
 Reinforcement bars shall conform to the requirements of ASTM A 706.
 Exposed edges shall be beveled 3/4"

Cast-in-Place
 Apron End Section Details
 Franklin County
 SN 028-7121