STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54–87 K–8258–08	2005	68	223

BILL OF REINFORCING STEEL

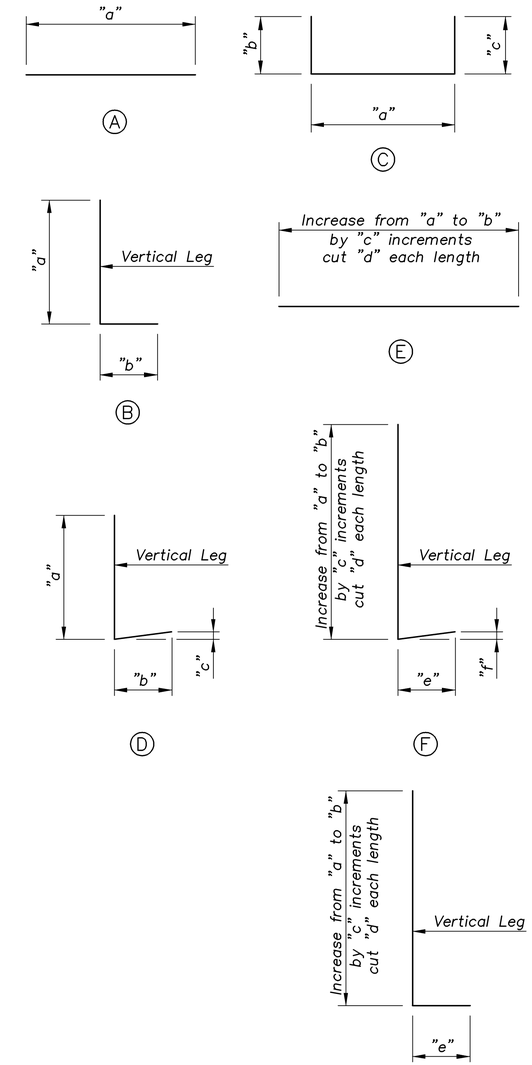
	BAR MARK	BENDING MARK	SIZE	NO.	LENGTH	DIMENSIONS					
						"a"	"b"	"c"	"d"	"e"	"f"
WALL "A"	WBV1	H	19	25	Varies	2290	2530	10	1	760	
	WBV2	H	19	25	Varies	2075	2315	10	1	760	
	WBV3	H	19	25	Varies	1928	2120	8	1	760	
	WBV4	H	19	25	Varies	1748	1940	8	1	760	
	WBV5	H	19	25	Varies	1650	1770	5	1	760	
	WBV6	H	19	25	Varies	1510	1630	5	1	760	
	WBV7	H	19	25	Varies	1400	1520	5	1	760	
	WBV8	B	19	25	2090	1330	760				
	WBV9	B	19	14	2050	1290	760				
	WFV1	B	19	50	2830	900	1930				
	WFV2	B	19	50	2530	900	1630				
	WFV3	B	19	50	2230	900	1330				
	WFV4	B	19	64	1930	900	1030				
	WH1	A	19	140	7400	7400					
	WH2	A	19	14	4100	4100					
WALL "C"	WBV1	H	19	25	Varies	2160	2400	10	1	760	
	WBV2	H	19	25	Varies	1980	2220	10	1	760	
	WBV3	H	19	25	Varies	1848	2040	8	1	760	
	WBV4	H	19	25	Varies	1688	1880	8	1	760	
	WBV5	H	19	25	Varies	1620	1740	5	1	760	
	WBV6	H	19	25	Varies	1500	1620	5	1	760	
	WBV7	H	19	25	Varies	1390	1510	5	1	760	
	WBV8	B	19	25	2100	1340	760				
	WBV9	B	19	17	2070	1310	760				
	WFV1	B	19	50	2830	900	1930				
	WFV2	B	19	50	2530	900	1630				
	WFV3	B	19	50	2230	900	1330				
	WFV4	B	19	67	1930	900	1030				
	WH1	A	19	138	7400	7400					
	WH2	A	19	14	4950	4950					
WALL "F"	WBV1	H	19	25	Varies	2390	2630	10	1	760	
	WBV2	H	19	25	Varies	2150	2390	10	1	760	
	WBV3	H	19	25	Varies	1910	2150	10	1	760	
	WBV4	H	19	25	Varies	1690	1930	10	1	760	
	WBV5	H	19	25	Varies	1548	1740	8	1	760	
	WBV6	H	19	25	Varies	1383	1575	8	1	760	
	WFV1	B	19	50	2830	900	1930				
	WFV2	B	19	50	2530	900	1630				
	WFV3	B	19	25	2230	900	1330				
	WFV4	B	19	25	1930	900	1030				
	WH1	A	19	100	7400	7400					

BILL OF REINFORCING STEEL

	BAR MARK	BENDING MARK	SIZE	NO.	LENGTH	DIMENSIONS					
						"a"	"b"	"c"	"d"	"e"	"f"
WALL "N2A"	BH1	A	16	30	7400	7400					
	BH2	A	16	6	6000	6000					
	BV1	C	16	146	2885	155	1365	1365			
	WBV4	B	19	25	3140	2140	1000				
	WBV5	B	19	25	2940	1940	1000				
	WBV6	B	19	25	2760	1760	1000				
	WBV7	B	19	25	2600	1600	1000				
	WBV8	B	19	25	2450	1450	1000				
	WBV9	B	19	21	2350	1350	1000				
	WFV4	B	19	25	3680	1970	1710				
	WFV5	B	19	25	3180	1770	1410				
	WFV6	B	19	25	3000	1590	1410				
	WFV7	B	19	25	2540	1430	1110				
	WFV8	B	19	25	2390	1280	1110				
	WFV9	B	19	21	2290	1180	1110				
	WT2	C	19	75	2190	230	980	980			
	WT3	C	19	71	2070	230	920	920			
	WH1	A	19	104	7400	7400					
	WH2	A	19	16	6000	6000					

BENDING DIAGRAMS

(All dimensions are out to out of bars)



MISC–WALLS\DETAILS 1:200

KANSAS DEPARTMENT OF TRANSPORTATION

CANTILEVERED RETAINING WALLS
BILL OF REINFORCING STEEL
(EASTERN AVENUE BRIDGE)

Proj. No. 54–87 K–8258–08 SEDGWICK COUNTY

CFS
Cook, Flatt & Strobel
ENGINEERS, P.A.

DESIGNED	R.S.C.	SCALE	Noted
DETAILED	T.R.G.	DATE	
QUANTITIES	T.R.G.	SHEET	7 OF 7