STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54–87 K–8258–01	2007	180	556

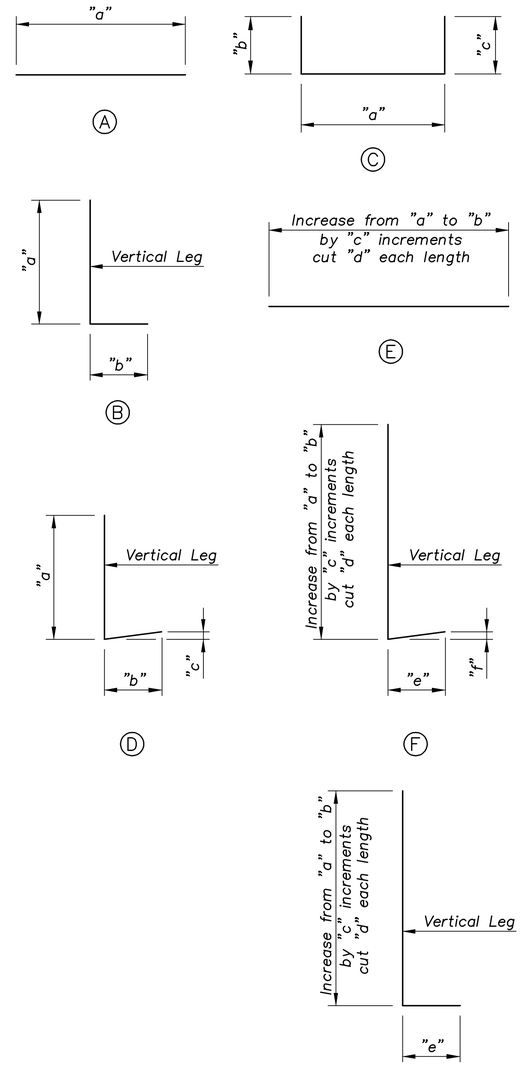
BILL OF REINFORCING STEEL

	BAR MARK	BENDING MARK	SIZE	NO.	LENGTH	DIMENSIONS					
						"a"	"b"	"c"	"d"	"e"	"f"
WALL "A"	WBV1	H	19	25	Varies	2318	2510	8	1	760	
	WBV2	H	19	25	Varies	2130	2322	8	1	760	
	WBV3	H	19	25	Varies	2000	2120	5	1	760	
	WBV4	H	19	25	Varies	1860	1980	5	1	760	
	WBV5	H	19	25	Varies	1730	1850	5	1	760	
	WBV6	H	19	25	Varies	1610	1730	5	1	760	
	WBV7	H	19	25	Varies	1495	1615	5	1	760	
	WBV8	B	19	50	2180	1420	760				
	WBV9	B	19	25	2090	1330	760				
	WBV10	B	19	21	2000	1240	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	121	1930	900	1030				
	WH1	A	19	174	7400	7400					
	WH2	A	19	14	6340	6340					
WALL "C"	WBV1	H	19	25	Varies	2128	2320	8	1	760	
	WBV2	H	19	25	Varies	1988	2180	8	1	760	
	WBV3	H	19	25	Varies	1830	2022	8	1	760	
	WBV4	H	19	25	Varies	1755	1875	5	1	760	
	WBV5	H	19	25	Varies	1635	1755	5	1	760	
	WBV6	H	19	25	Varies	1520	1640	5	1	760	
	WBV7	B	19	25	2210	1450	760				
	WBV8	B	19	25	2130	1370	760				
	WBV9	B	19	25	2070	1310	760				
	WBV10	B	19	15	2030	1270	760				
	WFV1	B	19	50	2830	900	1930				
	WFV2	B	19	75	2530	900	1630				
	WFV3	B	19	50	2230	900	1330				
	WFV4	B	19	65	1930	900	1030				
	WH1	A	19	155	7400	7400					
	WH2	A	19	14	4440	4440					
WALL "D"	WBV1	H	19	25	Varies	2175	2415	10	1	760	
	WBV2	H	19	25	Varies	1988	2180	8	1	760	
	WBV3	H	19	25	Varies	1790	1982	8	1	760	
	WBV4	H	19	25	Varies	1610	1802	8	1	760	
	WBV5	H	19	25	Varies	1510	1630	5	1	760	
	WBV6	B	19	18	2180	1420	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	18	1930	900	1030				
	WH1	A	19	93	7400	7400					
	WH2	A	19	15	5200	5200					

BILL OF REINFORCING STEEL

	BAR MARK	BENDING MARK	SIZE	NO.	LENGTH	DIMENSIONS					
						"a"	"b"	"c"	"d"	"e"	"f"
WALL "F"	WBV1	H	19	25	Varies	2200	2392	8	1	760	
	WBV2	H	19	25	Varies	2000	2192	8	1	760	
	WBV3	H	19	25	Varies	1808	2000	8	1	760	
	WBV4	H	19	25	Varies	1630	1822	8	1	760	
	WBV5	H	19	25	Varies	1540	1660	5	1	760	
	WBV6	H	19	25	Varies	1420	1540	5	1	760	
	WBV7	B	19	25	2100	1340	760				
	WBV8	B	19	25	2030	1270	760				
	WBV9	B	19	40	1970	1210	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	90	1930	900	1030				
	WH1	A	19	151	7400	7400					
	WH2	A	19	14	4270	4270					

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



KANSAS DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
(ARMOUR ROAD BRIDGE)

Proj. No. 54–87 K–8258–01 SEDGWICK COUNTY

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

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

MISC–WALLS\DETAILS 1:200