STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54–87 K–8258–02	2003	20	76

BILL OF REINFORCING STEEL (Section No. 1)

STRAIGHT BARS				BENT BARS			
MARK	SIZE	NO.	LENGTH	MARK	SIZE	NO.	LENGTH
F2	19	99	7210	F1	19	198	2170
F3	19	6	Varies	S1	19	202	1890
S2	19	101	7210				
S3	19	6	Varies	D1	16	40	1580
D2	16	40	810				
F4	16	96	7210				
F5	16	6	Varies				
S4	16	98	7210				
S5	16	6	Varies				
W1	16	199	2030				
W2	16	199	2460				
W3	16	8	2310				
F6	13	39	11 890				
F7	13	18	Varies				
F8	13	7	Varies				
F9	13	7	Varies				
F10	13	7	Varies				
S6	13	39	12 190				
S7	13	18	Varies				
S8	13	7	Varies				
S9	13	7	Varies				
S10	13	7	Varies				
W4	13	398	2460				
W5	13	8	2310				
W6	13	22	8170				
W7	13	20	8000				
W8	13	20	7840				
W9	13	22	7680				

BILL OF REINFORCING STEEL (Section No. 2)

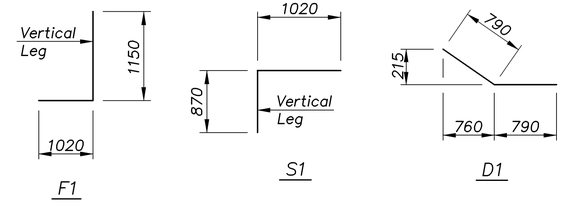
STRAIGHT BARS				BENT BARS			
MARK	SIZE	NO.	LENGTH	MARK	SIZE	NO.	LENGTH
F2	19	346	7210	F1	19	692	2170
F3	19	6	Varies	S1	19	704	1890
S2	19	352	7210				
S3	19	6	Varies	T1	16	20	4170
				T2	16	20	3940
D2	16	40	810	T3	16	2	3460
F4	16	343	7210	T4	16	2	3220
F5	16	6	Varies				
S4	16	349	7210	T7	13	25	2220
S5	16	6	Varies				
T5	16	8	2200				
T6	16	16	1600				
W1	16	692	2030				
W2	16	692	2460				
W3	16	24	2310				
F11	13	156	11 960				
F12	13	18	Varies				
F13	13	7	Varies				
F14	13	7	Varies				
F15	13	7	Varies				
S6	13	156	12 190				
S11	13	18	Varies				
S12	13	7	Varies				
S13	13	7	Varies				
S14	13	7	Varies				
W4	13	1384	2460				
W5	13	24	2310				
W10	13	55	11 180				
W11	13	50	11 120				
W12	13	50	11 050				
W13	13	55	10 990				

BILL OF REINFORCING STEEL (Section No. 3)

STRAIGHT BARS				BENT BARS			
MARK	SIZE	NO.	LENGTH	MARK	SIZE	NO.	LENGTH
F2	19	605	7210	F1	19	1212	2170
F16	19	1	4500	S1	19	1224	1890
F17	19	1	1200				
G1	19	10	7210	V2	16	20	1705
S2	19	611	7210				
S15	19	1	4840	D3	13	30	2160
S16	19	1	1540	D4	13	17	1730
				E2	13	3	7270
D2	16	40	810	H4	13	34	1520
F4	16	605	7210	V1	13	20	1275
F18	16	1	4500				
F19	16	1	1200				
S4	16	611	7210				
S17	16	1	4840				
S18	16	1	1540				
T6	16	16	1600				
W1	16	1212	2030				
W2	16	1212	2460				
W3	16	24	2310				
C1	13	8	5565				
C2	13	1	7320				
E1	13	6	4495				
H1	13	8	4215				
H2	13	2	2895				
H3	13	2	4825				
H5	13	22	1065				
F20	13	312	11 940				
S19	13	312	12 050				
V3	13	20	Varies				
W4	13	2424	2460				
W5	13	24	2310				
W14	13	336	12 050				

BENDING DIAGRAMS

(All dimensions are out to out of bars)



Increase from 1190 to 6590 by 1080 mm increments Cut 1 each length.

F3, F5, S3 & S5

Increase from 6205 to 7140 by 55 mm increments Cut 1 each length.

F12 & S11

Increase from 3185 to 4120 by 55 mm increments Cut 1 each length.

F7 & S7

Increase from 6840 to 7140 by 50 mm increments Cut 1 each length.

F13 & S12

Increase from 3820 to 4120 by 50 mm increments Cut 1 each length.

F8 & S8

Increase from 6510 to 6810 by 50 mm increments Cut 1 each length.

F14 & S13

Increase from 3490 to 3790 by 50 mm increments Cut 1 each length.

F9 & S9

Increase from 6180 to 6480 by 50 mm increments Cut 1 each length.

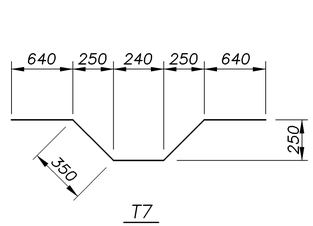
F15 & S14

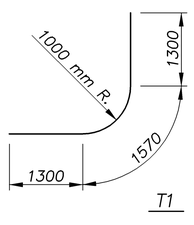
Increase from 3160 to 3460 by 50 mm increments Cut 1 each length.

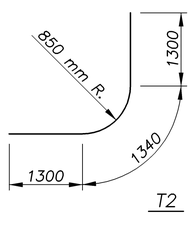
F10 & S10

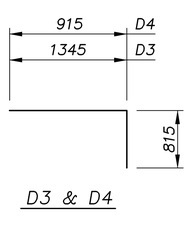
Increase from 1525 to 2425 by 100 mm increments Cut 2 each length.

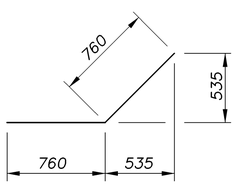
V3

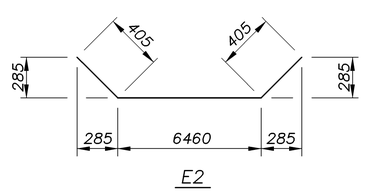


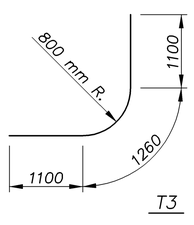


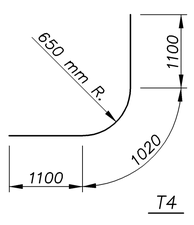


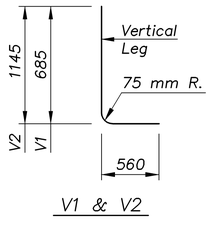












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KANSAS DEPARTMENT OF TRANSPORTATION

BR. NO. 54–87–30.80(146) STA. 3+354.326

TRIPLE 2.1 x 2.1 m R.C.B.
BILL OF REINFORCING STEEL

Proj. No. 54–87 K–8258–02 SEDGWICK COUNTY

Cook, Flatt & Strobel ENGINEERS, P.A.

DESIGNED	R.S.C.	SCALE	Varies
DETAILED	T.R.G.	DATE	
QUANTITIES	T.R.G.	SHEET	8 OF 8